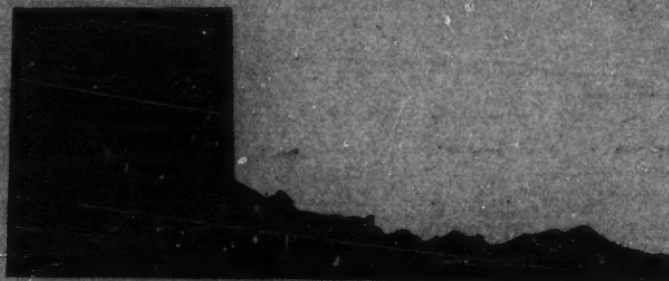


57675.1.1

**TEXAS
OCCUPATIONAL
EMPLOYMENT
STATISTICS**



**INDUSTRY STAFFING PATTERNS
FOR SELECTED
MANUFACTURING INDUSTRIES**



BEST AVAILABLE COPY

TEXAS EMPLOYMENT COMMISSION
In cooperation with the U.S. Department of Labor
Bureau of Labor Statistics and the Employment
and Training Administration

TEXAS OCCUPATIONAL EMPLOYMENT STATISTICS

INDUSTRY STAFFING PATTERNS FOR SELECTED MANUFACTURING INDUSTRIES

2nd QUARTER 1977

**Prepared by
Texas Employment Commission
Economic Research and Analysis
TEC Building
Austin, Texas 78778**



Issued June 1979

PREFACE

We would like to express our appreciation to all the employers who willingly contributed their time and effort in completing and submitting the questionnaires as we requested. Their cooperation is what made this report possible. The statistical data contained in this report was compiled from the information received from employers' responses. To each of these respondents we extend a sincere thank you.

Another contribution that we feel was invaluable to our endeavor was made by the staff of the U. S. Department of Labor and the Bureau of Labor Statistics Regional Office in Dallas.

TABLE OF CONTENTS

	Page
Preface.....	iii
Introduction.....	1
Methodology.....	3
Considerations of the Uses of the Estimates.....	5
Staffing Patterns for Selected Industries.....	7
Large Manufacturing Plants, 1975.....	9
Manufacturing Plants, 1975.....	10
Industry Characteristics.....	11
SIC 20, Food and Kindred Products.....	12
SIC 22, Textile Mill Products.....	37
SIC 25, Furniture and Fixtures.....	45
SIC 26, Paper and Allied Products.....	58
SIC 27, Printing, Publishing, and Allied Industries.....	66
SIC 28, Chemicals and Allied Products.....	90
SIC 29, Petroleum Refining and Related Industries.....	107
SIC 30, Rubber and Miscellaneous Plastics Products.....	124
SIC 31, Leather and Leather Products.....	132
SIC 32, Stone, Clay, Glass, and Concrete Products.....	143
SIC 33, Primary Metal Industries.....	147

TABLE OF CONTENTS (CONTINUED)

	Page
Staffing Patterns for Selected Industries (Continued)	
SIC 34, Fabricated Metal Products, Except Machinery and Transportation Equipment.....	156
SIC 35, Machinery, Except Electrical.....	163
SIC 37, Transportation Equipment.....	178
SIC 38, Measuring, Analyzing, and Controlling Instruments; Photographic, Medical, and Optical Goods; Watches and Clocks	202
SIC 39, Miscellaneous Manufacturing Industries.....	205
Glossary of Terms.....	219
Bibliography.....	221

TABLES

		Page
Table 1	SIC 20, Food and Kindred Products, Statewide.....	13
Table 2	SIC 20, Food and Kindred Products, Dallas-Fort Worth SMSA.....	17
Table 3	SIC 20, Food and Kindred Products, Houston SMSA.....	20
Table 4	SIC 20, Food and Kindred Products, El Paso SMSA.....	23
Table 5	SIC 202, Dairy Products, Statewide.....	25
Table 6	SIC 203, Canned and Preserved Fruits and Vegetables, Statewide.....	27
Table 7	SIC 205, Bakery Products, Statewide.....	29
Table 8	SIC 208, Beverages, Statewide.....	31
Table 9	SIC 209, Miscellaneous Food Preparations and Kindred Products, Statewide.....	34
Table 10	SIC 22, Textile Mill Products, Statewide.....	38
Table 11	SIC 22, Textile Mill Products, San Antonio SMSA.....	41
Table 12	SIC 221, Broad Woven Fabric Mills, Cotton, Statewide.....	43
Table 13	SIC 25, Furniture and Fixtures, Statewide.....	46
Table 14	SIC 25, Furniture and Fixtures, Dallas-Fort Worth SMSA.....	50
Table 15	SIC 251, Household Furniture, Statewide.....	53
Table 16	SIC 253, Public Building and Related Furniture, Statewide.....	56
Table 17	SIC 26, Paper and Allied Products, Statewide.....	59
Table 18	SIC 265, Paperboard Containers and Boxes, Statewide.....	63

TABLES (CONTINUED)

	Page
Table 19 SIC 27, Printing, Publishing, and Allied Industries, Statewide.....	67
Table 20 SIC 27, Printing, Publishing, and Allied Industries, Austin SMSA.....	71
Table 21 SIC 27, Printing, Publishing, and Allied Industries, Dallas-Fort Worth SMSA.....	74
Table 22 SIC 27, Printing, Publishing, and Allied Industries, San Antonio SMSA.....	78
Table 23 SIC 271, Newspapers: Publishing, Publishing and Printing, Statewide.....	81
Table 24 SIC 275, Commercial Printing, Statewide.....	84
Table 25 SIC 276, Manifold Business Forms, Statewide.....	87
Table 26 SIC 28, Chemicals and Allied Products, Dallas- Fort Worth SMSA.....	91
Table 27 SIC 28, Chemicals and Allied Products, Corpus Christi SMSA.....	94
Table 28 SIC 283, Drugs, Statewide.....	96
Table 29 SIC 285, Paints, Varnishes, Lacquers, Enamels, and Allied Products, Statewide.....	98
Table 30 SIC 286, Industrial Organic Chemicals, Statewide....	101
Table 31 SIC 289, Miscellaneous Chemical Products, Statewide.	104
Table 32 SIC 29, Petroleum Refining and Related Industries, Statewide.....	108
Table 33 SIC 29, Petroleum Refining and Related Industries, Dallas-Fort Worth SMSA.....	113
Table 34 SIC 29, Petroleum Refining and Related Industries, Houston SMSA.....	115
Table 35 SIC 29, Petroleum Refining and Related Industries, Corpus Christi SMSA.....	118

TABLES (CONTINUED)

	Page
Table 36 SIC 291, Petroleum Refining, Statewide.....	120
Table 37 SIC 30, Rubber and Miscellaneous Plastics Products, Dallas-Fort Worth SMSA.....	125
Table 38 SIC 307, Miscellaneous Plastics Products, Statewide.	128
Table 39 SIC 31, Leather and Leather Products, Statewide.....	133
Table 40 SIC 31, Leather and Leather Products, Dallas- Fort Worth SMSA.....	136
Table 41 SIC 31, Leather and Leather Products, El Paso SMSA..	138
Table 42 SIC 314, Footwear, Except Rubber, Statewide.....	140
Table 43 SIC 327, Concrete, Gypsum, and Plaster Products, Statewide.....	144
Table 44 SIC 33, Primary Metal Industries, Houston SMSA.....	148
Table 45 SIC 33, Primary Metal Industries, El Paso SMSA.....	151
Table 46 SIC 332, Iron and Steel Foundries, Statewide.....	153
Table 47 SIC 34, Fabricated Metal Products, Except Machinery and Transportation Equipment, El Paso SMSA.....	157
Table 48 SIC 349, Miscellaneous Fabricated Metal Products, Statewide.....	159
Table 49 SIC 35, Machinery, Except Electrical, Austin SMSA...	164
Table 50 SIC 352, Farm and Garden Machinery and Equipment, Statewide.....	166
Table 51 SIC 354, Metalworking Machinery and Equipment, Statewide.....	169
Table 52 SIC 355, Special Industry Machinery, Except Metal- working Machinery, Statewide.....	172
Table 53 SIC 357, Office, Computing, and Accounting Machines, Statewide.....	175
Table 54 SIC 37, Transportation Equipment, Statewide.....	179

TABLES (CONTINUED)

	Page
Table 55 SIC 37, Transportation Equipment, Dallas-Fort Worth SMSA.....	184
Table 56 SIC 37, Transportation Equipment, San Antonio SMSA..	189
Table 57 SIC 371, Motor Vehicles and Motor Vehicle Equipment, Statewide.....	191
Table 58 SIC 372, Aircraft and Parts, Statewide.....	194
Table 59 SIC 373, Ship and Boat Building and Repairing, Statewide.....	199
Table 60 SIC 384, Surgical, Medical, and Dental Instruments and Supplies, Statewide.....	203
Table 61 SIC 39, Miscellaneous Manufacturing Industries, Statewide.....	206
Table 62 SIC 39, Miscellaneous Manufacturing Industries, Dallas-Fort Worth SMSA.....	210
Table 63 SIC 394, Toys and Amusement, Sporting, and Athletic Goods, Statewide.....	213
Table 64 SIC 399, Miscellaneous Manufacturing Industries, Statewide.....	215

INTRODUCTION

The Occupational Employment Statistics (OES) Program is a part of a Federal-State Cooperative Program involving State Employment Security Agencies in conjunction with the Employment Training Administration and the Bureau of Labor Statistics.

The OES Program is designed to: (1) provide accurate profiles of occupational resources by industry and trends in the number of workers employed by occupation, (2) aid in projections of future manpower requirements by industry and occupation, and (3) identify emerging and disappearing occupations. This information will help in the development of educational and training programs and will also provide valuable information for employment counselors and manpower planners. Data is generated to show the occupational profile of selected industry groups so that individual firms will be able to compare their occupational staffing patterns to that of the industry of which they are a part. This data will later be used to refine and modify the worker-demand projections generated through the occupation-by-industry Matrix Program.

This report represents Manufacturing data collected during the survey period. All respondents were requested to include employment data for the appropriate survey month--April 12, May 12, or June 12 of 1977.

This publication, and others of its type to follow, will be continually updated, as well as improved, to provide a better basis for decision-making at all levels of manpower and vocational planning.

METHODOLOGY

The Sample

The Second Quarter 1977 Report of Employment, Wages and Contributions Covered by the Texas Unemployment Compensation Act was used as a sampling frame for the Occupational Employment Statistics Survey of Manufacturing Establishments.

The sampling frame was stratified by three-digit (in some cases two-digit) SIC (Standard Industrial Classification) codes and by nine employment size groups and was then collapsed to six classes of employment: 4-9, 10-19, 20-49, 50-99, 100-249, and 250 plus. Establishments with over 250 employment were automatically included in a separate size class and were picked with certainty. All other establishments were subject to sample selection on a random basis, with the units in larger size classes having a proportionately higher chance of selection. A minimum of two units was allocated to each size class unless there was only one unit in the size class. Each unit was given a weight according to the proportion of firms selected in each size class. The sample included 8,741 establishments with a represented benchmark employment of 826,744.

Sampling Error

The sampling error is an arithmetic measure of the precision of the estimate. It can be considered as the difference between the estimate computed from the sample and the results that would have been obtained if the same methods were used to collect identical information from the universe (all available establishments). The relative errors listed in this report are the absolute sampling errors of each occupation expressed as a percent of that occupational estimate. This measure of precision is on the same base, a percentage comparison. The relative errors shown in this report are such that the chances are two out of three (68 percent) that the results of such a complete survey of all firms would not differ by plus or minus one relative standard error from the OES occupational estimates, and an interval of two relative standard errors will yield a 95 percent confidence level. For example, the OES estimate of employment in the Food and Kindred Products Industry (SIC 20) for the number of Drier Operators employed was 190 with a relative standard error of 7.43 percent. The chances are two out of three that the true number of workers employed in that occupation at the time of the survey was between 176 and 204 ($190 \pm .0743 \times 190$), and we may be 95 percent certain that the true number fell between 162 and 218 ($190 \pm 2 \times .0743 \times 190$). The relative standard error allows the user to judge, with a given degree of confidence, the quality

of any particular occupational estimate. It is a measure of the relative dispersion within the data collected, and indicates the occupational coefficient of variation of the population from which the sample was drawn.

Nonsampling Error

A survey of this magnitude is going to have a small degree of nonsampling error. Examples of these errors are faulty questionnaire design, inaccuracy of data furnished, ineffective processing, and nonresponse. The possibility of errors in the design of and the data furnished by the questionnaires, as well as errors in processing, was recognized from the start of the survey. Every effort was exercised to avoid and control them. The nonresponse area was handled to a large degree by the built-in variables of the sampling and estimating process. This process takes into consideration that the occupational distribution of the nonreporting sample unit in a given three-digit employment size class is the same as among the reporting establishments of that size class.

Estimating Procedure

A ratio method, an established statistical procedure, was used throughout the report. Any given size class of any given industry represents an estimating cell. All establishments in a given cell are assigned a sample weight which is the inverse of the sampling ratio. There is a direct relationship between employment and the number of units within a size class to determine the ratio, or the probability of a sample selection. The employment for any specific occupation in each establishment is inflated by its sample weight and summed for all sample establishments in the cell. A ratio is then derived of the weighted employment for each occupation to the weighted reported total employment. This ratio is then multiplied by the benchmark employment for that estimating cell as of the appropriate survey month--April 12, May 12, or June 12 of 1977, thus yielding the occupational make-up of the estimating cell for that date. Like occupational employments are summed across all employment size classes within each three-digit SIC to arrive at a total industry employment for each occupation. Two-digit estimates of occupational employment were derived by summing estimates across three-digit SIC industries.

Collection Procedures

The majority of the data was collected by mail. Survey operations included an initial mail out and two follow-ups to nonrespondents (in some cases three, where nonresponse was a critical factor). The telephone was used extensively to clarify information, handle critical nonresponse areas, and prompt small and medium-sized respondents to furnish survey data.

CONSIDERATIONS OF THE USES OF THE ESTIMATES

Relative Error

Relative error is a measure of precision and expresses the absolute sampling error of an estimate as a percentage of that estimate. From an accuracy standpoint, the higher the relative error - the less accurate the estimate. If relative errors exceeded fifty percent, the employment from these occupations was merged with the employment of the "all other" residual category that was relevant to them.

Throughout the tables, it should be noted that the relative error is computed only for specific occupations and not for residual categories nor for occupational groupings. These are noted by "na" (not applicable).

Rounding Errors and Occupations With Employment Less Than Thirty

All percentage estimates were carried out to two decimal places with the exception of the percent of establishments reporting the occupation. These percentages were rounded to the nearest whole number.

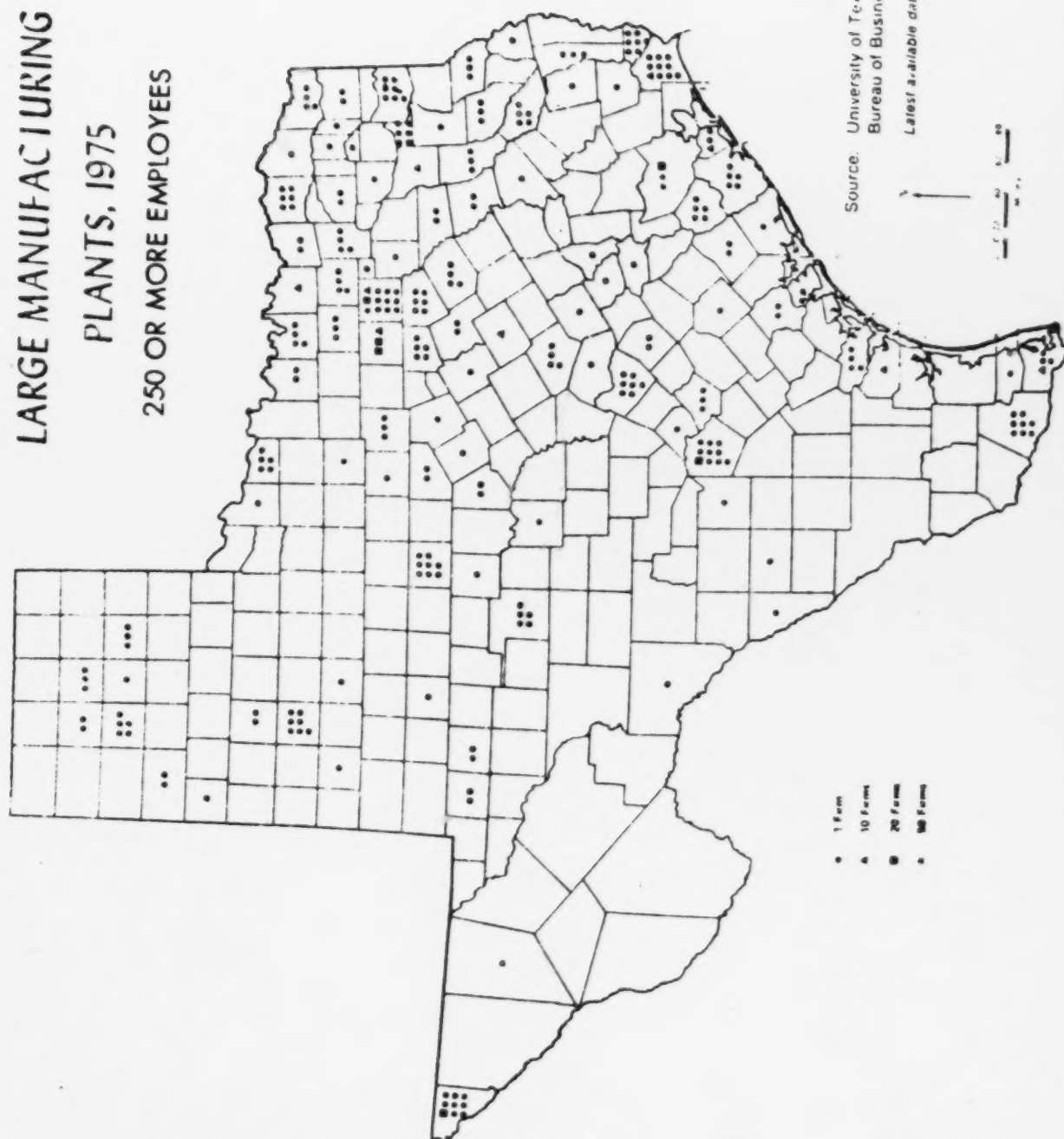
In each SIC (Standard Industrial Classification), many more occupations were surveyed than are actually shown in the tables. Occupations which had employment of less than thirty were suppressed, and their employment was added to the residual category for their major occupational group.

Industrial Classification With Statewide Employment of Less Than Three Thousand and Area Employment of Less Than One Thousand

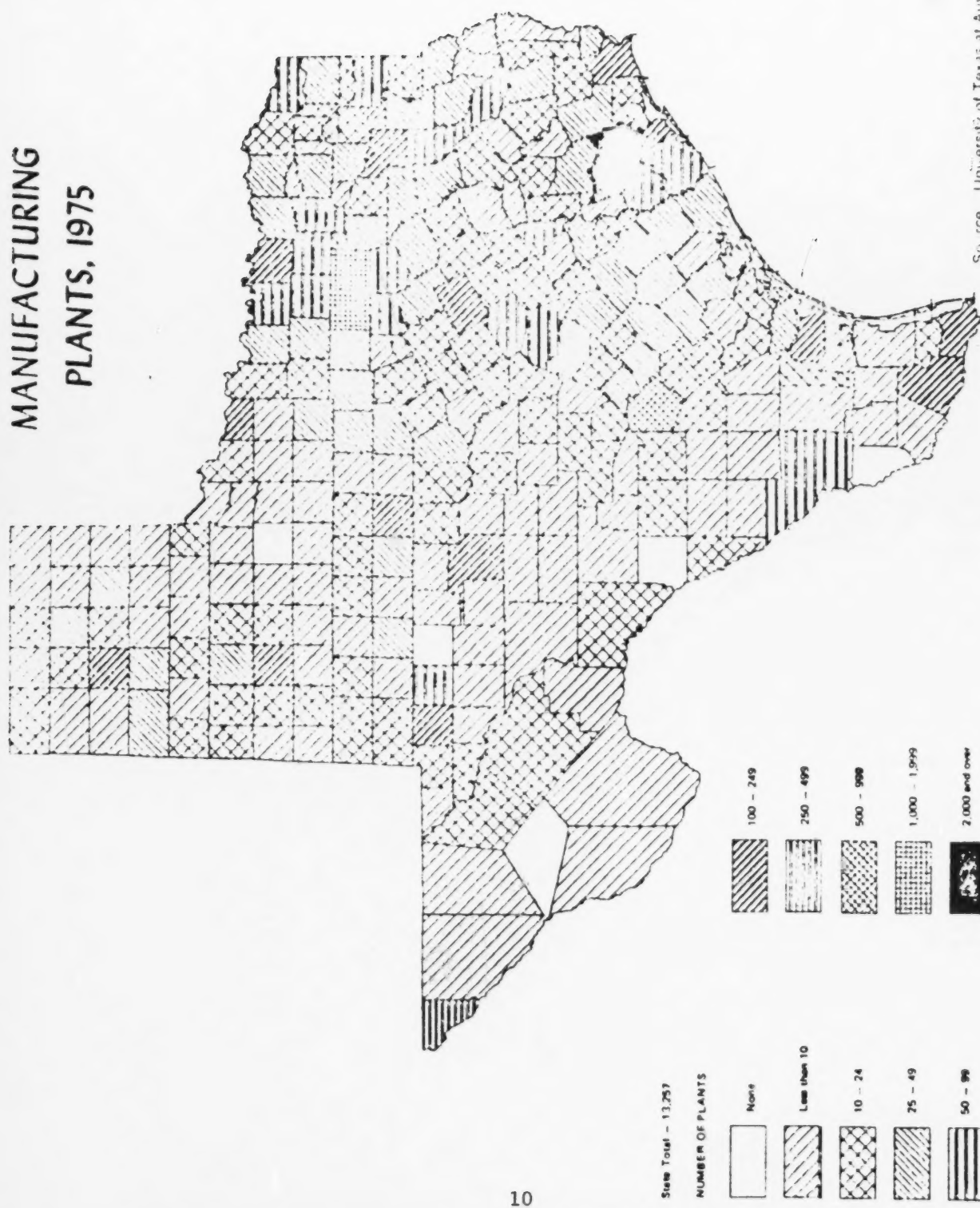
Some of the industry groups surveyed had an insignificant amount of estimated employment--statewide less than three thousand, and areas less than one thousand. In order for the user to have meaningful occupational staffing patterns, the industry was suppressed or collapsed to the major two-digit industry group totals.

STAFFING PATTERNS FOR SELECTED INDUSTRIES	

LARGE MANUFACTURING PLANTS, 1975 250 OR MORE EMPLOYEES



MANUFACTURING PLANTS, 1975



Source: University of Texas at Austin
Bureau of Business Research
Latest available data

INDUSTRY CHARACTERISTICS

Texas manufacturing has undergone major changes in the 1970's. For many decades Texas industry was concerned mainly with processing the raw materials produced in Texas and the Southwest--petroleum, other minerals, and agricultural products. While those activities are still important, the new direction of the Texas economy is toward diversification. New factories are turning out hundreds of products never made in this region until recent years, products previously shipped into Texas from other parts of the country. Many of these goods are marketed nationwide and even exported to other countries. A sample of the wide range of products now made in Texas would include such diverse items as electronic wrist watches, automobile radios, drugs and cosmetics, plastic packaging materials, and recreational boats.

The late seventies brought Texas a wave of industrial expansion tempered by uncertainty. The recession of the mid-seventies was past, but industrial employment remained a problem in some cities, though less in Texas than in much of the nation. More critical to Texas was the shortage of petroleum which threatened the economic status of some of the State's major manufacturers--petroleum refining, petrochemical production, and primary metal smelting.

Even though some of Texas' fastest growing industrial centers are not among the very largest cities, most manufacturing plants are located in the State's 25 SMSA's, which include cities with a population of 50,000 or more. The most populous SMSA in Texas, the Dallas-Fort Worth Area, has the largest number of manufacturing plants. The Houston SMSA is second. Twenty-nine percent of the States manufacturing workers are employed in the Dallas-Fort Worth Area and approximately 20 percent in the Houston Area. The San Antonio and Beaumont-Port Arthur Areas have approximately the same employment distribution--5 percent. Of the smaller manufacturing centers, the Longview Area is one that has expanded its industrial base more rapidly than any other in recent years. Austin, not an important manufacturing city in the past, has also attracted many new factories.

SIC 20 FOOD AND KINDRED PRODUCTS

Apart from Machinery Manufacturing, Food Processing employs more Texans than any other industry with a total employment of approximately 97,000 (June 1977) distributed among 16,500 plants. From a dollar standpoint, the most valuable output is meat products, accounting for more than a quarter of the total output and 26 percent of the Food Industry employment. Bottled and canned beverages, bakery goods, and dairy products also contribute heavily to the total production, but these are mainly for local or regional use. Texas also has a strong national market for canned, frozen, and specialty foods including seafoods and Mexican foods.

Seventy-five percent of the occupational employment, as noted in the table, is concentrated in Production, Maintenance, Repair, Material Handling, and Power Plant Occupations.

The Food Industry will always represent a major portion of our Texas economy. Employment is expected to continue to maintain moderate growth.

Average Annual Employment for Food and Kindred Products*

1975	88,800
1976	92,400
1977	94,100

*Source: Current Employment Statistics Program.

Table 1
SIC 20
Food and Kindred Products
Statewide

This major group includes establishments manufacturing or processing foods and beverages for human consumption, and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	96,570	100.00	na	na
MANAGERS AND OFFICERS.....	6,170	6.39	3.54	90
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,560	1.61	na	na
Accountants and Auditors.....	560	.57	7.08	28
Biological Science Technicians..	280	.29	11.29	8
Chemists.....	150	.15	9.17	6
Industrial Engineers.....	70	.06	16.08	3
Purchasing Agents and/or Buyers.	250	.25	10.39	11
All Other Professional Workers..	110	.11	na	na
All Other Technical Workers.....	140	.15	na	na
SERVICE OCCUPATIONS, TOTAL.....	4,060	4.21	na	na
Guards and Doorkeepers.....	180	.19	10.95	6
Janitors, Porters, and Cleaners..	3,520	3.65	3.18	54
All Other Service Workers.....	360	.37	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	72,090	74.66	na	na
Supervisors, Nonworking.....	3,530	3.65	3.14	48
Baker Helpers.....	920	.94	10.24	6
Bakers.....	270	.27	33.84	5
Blanching Machine Operators.....	70	.06	15.08	2
Boners, Meat.....	1,260	1.30	14.43	9
Butchers, All-Around.....	2,900	3.00	13.85	11
Candy Makers.....	140	.14	3.45	4

Table 1 (Continued) Food and Kindred Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ₁ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Cannery Workers.....	3,120	3.23	4.78	4
Carcass Splitters.....	270	.27	14.27	8
Casing Finishers and/or Stuffers	600	.61	23.23	6
Cheesemakers.....	80	.08	15.27	2
Chicken Cutters.....	360	.37	36.75	2
Coin Machine Servicers and/or Vending Machine Repairers.....	420	.43	9.13	9
Cooks and/or Cookers.....	1,150	1.19	8.55	20
Cooler Room Workers, Meat.....	960	.99	15.46	9
Cutting Machine Operators, Food.	950	.98	11.78	16
Dairy Processing Equipment Operators.....	250	.25	11.25	6
Delivery and Route Workers.....	8,730	9.04	4.04	45
Depositors, Food.....	480	.49	32.31	6
Dividing Machine Operators and/or Dough-Brake Machine Operators.....	460	.47	15.82	5
Drier Operators.....	190	.19	7.43	3
Electricians.....	240	.24	7.22	6
Extractor Operators and/or Extractor Plant Operators.....	110	.11	18.97	2
Farm Equipment Operators.....	100	.10	16.38	1
Feed Pellet Mill Operators.....	220	.22	17.06	6
Fermentation Operators.....	80	.08	6.42	1
Flavor Room Workers and/or Freezer Operators.....	200	.20	14.00	4
Food Shapers, Hand.....	270	.27	24.75	5
Graders, Food and/or Skins.....	320	.32	36.22	6
Helpers, Trades.....	1,060	1.10	11.10	10
Industrial Truck Operators.....	2,510	2.60	2.98	35
Inspectors.....	880	.91	5.28	14
Machinists.....	230	.23	12.06	7
Maintenance Repairers, General Utility.....	2,560	2.64	4.40	45
Meat Grinders.....	290	.30	11.73	8
Mechanics, Automotive.....	860	.89	5.96	23
Mechanics, Maintenance.....	1,620	1.67	5.58	28
Millers.....	400	.40	11.22	10
Millwrights.....	70	.07	5.72	1
Mixers, Food.....	2,310	2.39	6.18	49
Order Fillers.....	1,820	1.88	5.83	28

Table 1 (Continued) Food and Kindred Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. 1/	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Oven Operators.....	340	.34	15.67	6
Picklers, Food.....	120	.12	25.42	3
Poultry Dressers and/or Eviscerators.....	4,020	4.16	18.35	3
Production Packagers, Hand or Machine.....	13,260	13.74	3.39	64
Pumpers.....	100	.09	16.20	3
Refinery Operators.....	150	.15	32.55	1
Retort Operators.....	100	.10	29.40	2
Shellfish Processing Machine Tenders.....	120	.12	0.00	1
Skin Peeling Machine Operators..	90	.09	24.30	4
Skinners, Animal.....	710	.73	15.07	9
Smokers.....	160	.16	20.95	5
Stunners.....	170	.17	15.91	8
Testers.....	530	.54	7.96	16
Truck Drivers.....	3,420	3.53	5.05	49
Washers and/or Separators, Food.	550	.56	42.79	10
All Other Skilled Craftsmen and Kindred Workers.....	230	.24	na	na
All Other Operatives and Semi- skilled Workers.....	1,540	1.60	na	na
All Other Laborers and Unskilled Workers.....	3,220	3.33	na	na
CLERICAL OCCUPATIONS, TOTAL.....	9,460	9.78	na	na
Accounting Clerks.....	1,330	1.37	4.44	42
Bookkeepers, Hand.....	730	.75	8.46	31
General Clerks, Office.....	2,080	2.15	4.16	55
Key punch Operators.....	100	.09	9.62	4
Order Clerks.....	150	.15	16.32	7
Production Clerks and/or Coordinators.....	130	.13	21.14	2
Secretaries.....	1,210	1.25	5.81	47
Shipping and/or Receiving Clerks	1,020	1.05	7.12	37
Shipping Packers.....	1,840	1.91	8.19	23
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	440	.45	9.52	15
Typists.....	70	.07	29.50	4
Weighers, Record-Keeping.....	100	.09	21.15	5
All Other Office Clerical Workers.....	210	.22	na	na
All Other Plant Clerical Workers	50	.05	na	na

Table 1 (Continued) Food and Kindred Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	3,230	3.34	na	na
Sales Clerks.....	650	.67	10.69	13
Sales Representatives, Sales Agents, and/or Sales Associates.....	2,580	2.67	7.31	45

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	90
Production Packagers, Hand or Machine.....	64
General Clerks, Office.....	55
Janitors, Porters, and Cleaners.....	54
Mixers, Food.....	49
Truck Drivers.....	49

Table 2
SIC 20
Food and Kindred Products
Dallas-Fort Worth SMSA

This major group includes establishments manufacturing or processing foods and beverages for human consumption; and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	23,100	100.00	na	na
MANAGERS AND OFFICERS.....	1,860	8.05	9.81	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	480	2.07	na	na
Accountants and Auditors.....	180	.79	13.19	33
Biological Science Technicians..	90	.39	12.84	12
Chemists.....	70	.29	5.95	9
Purchasing Agents and/or Buyers.	40	.16	20.89	15
All Other Professional Workers..	50	.20	na	na
All Other Technical Workers.....	50	.23	na	na
SERVICE OCCUPATIONS, TOTAL.....	820	3.51	na	na
Janitors, Porters, and Cleaners.	740	3.18	6.00	61
All Other Service Workers.....	80	.33	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	16,420	71.21	na	na
Supervisors, Nonworking.....	850	3.70	8.71	50
Baker Helpers.....	270	1.17	21.29	7
Bakers.....	40	.15	30.49	4
Boners, Meat.....	180	.75	31.69	11
Butchers, All-Around.....	340	1.46	33.28	12
Candy Makers.....	30	.14	10.84	6
Cannery Workers.....	180	.77	47.61	4
Coin Machine Servicers and/or Vending Machine Repairers.....	60	.25	12.51	5
Cooks and/or Cookers.....	340	1.47	8.70	23

Table 2 (Continued) Food and Kindred Products, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ¹ / ₁	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Cooler Room Workers, Meat.....	160	.68	47.17	12
Cutting Machine Operators, Food. Dairy Processing Equipment	230	1.00	19.64	18
Operators.....	40	.17	45.08	7
Delivery and Route Workers.....	1,950	8.46	12.63	42
Depositors, Food.....	70	.29	13.36	7
Dividing Machine Operators and/or Dough-Brake Machine				
Operators.....	70	.30	4.95	4
Electricians.....	50	.20	14.86	4
Food Shapers, Hand.....	30	.13	17.86	4
Graders, Food and/or Skins.....	30	.14	33.55	6
Helpers, Trades.....	100	.41	21.38	6
Industrial Truck Operators.....	830	3.61	6.32	37
Inspectors.....	180	.77	14.94	17
Machinists.....	40	.15	28.39	6
Maintenance Repairers, General Utility.....	570	2.47	8.16	48
Meat Grinders.....	50	.22	33.76	9
Mechanics, Automotive.....	190	.83	15.44	18
Mechanics, Maintenance.....	440	1.90	13.07	29
Millers.....	40	.19	49.70	6
Mixers, Food.....	480	2.09	10.95	50
Order Fillers.....	520	2.25	12.26	32
Oven Operators.....	70	.29	2.93	5
Picklers, Food.....	60	.27	47.84	5
Production Packagers, Hand or Machine.....	4,360	18.89	5.33	68
Pumpers.....	30	.13	36.24	4
Skinners, Animal.....	90	.40	45.29	10
Stunners.....	50	.20	38.28	9
Testers.....	160	.68	10.82	17
Truck Drivers.....	770	3.33	12.86	44
Washers and/or Separators, Food.	110	.48	19.48	10
All Other Operatives and Semi- skilled Workers.....	1,460	6.34	na	na
All Other Laborers and Unskilled Workers.....	900	3.92	na	na

Table 2 (Continued) Food and Kindred Products, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	2,530	10.90	na	na
Accounting Clerks.....	350	1.51	11.91	44
Bookkeepers, Hand.....	150	.64	26.19	28
General Clerks, Office.....	580	2.51	9.45	54
Order Clerks.....	40	.18	12.24	13
Production Clerks and/or Coordinators.....	60	.25	8.47	4
Secretaries.....	360	1.54	14.19	53
Shipping and/or Receiving Clerks	210	.91	17.81	43
Shipping Packers.....	520	2.24	17.12	32
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	120	.50	23.68	15
All Other Clerical Workers.....	140	.59	na	na
SALES OCCUPATIONS, TOTAL.....	990	4.26	na	na
Sales Clerks.....	200	.84	22.37	15
Sales Representatives, Sales Agents, and/or Sales Associates.....	790	3.41	13.57	50

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Production Packagers, Hand or Machine.....	68
Janitors, Porters, and Cleaners.....	61
General Clerks, Office.....	54
Secretaries.....	53

Table 3
SIC 20
Food and Kindred Products
Houston SMSA

This major group includes establishments manufacturing or processing foods and beverages for human consumption; and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	13,940	100.00	na	na
MANAGERS AND OFFICERS.....	1,000	7.16	5.48	89
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	290	2.12	na	na
Accountants and Auditors.....	120	.88	6.74	43
Biological Science Technicians..	30	.22	18.52	8
Chemists.....	30	.21	32.37	8
Industrial Engineers.....	30	.22	30.53	6
Purchasing Agents and/or Buyers.	50	.37	18.34	13
All Other Professional and Technical Workers.....	30	.20	na	na
SERVICE OCCUPATIONS, TOTAL.....	800	5.72	na	na
Food Service Workers.....	70	.49	23.62	5
Janitors, Porters, and Cleaners.	700	5.04	7.51	54
All Other Service Workers.....	30	.18	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	9,890	70.91	na	na
Supervisors, Nonworking.....	640	4.57	4.17	48
Baker Helpers.....	100	.74	14.95	8
Bakers.....	70	.51	26.46	10
Boners, Meat.....	40	.26	40.28	8
Butchers, All-Around.....	90	.62	32.12	13
Casing Finishers and/or Stuffers	30	.23	39.07	10
Coin Machine Servicers and/or Vending Machine Repairers.....	50	.32	7.09	8

Table 3 (Continued) Food and Kindred Products, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Cooks and/or Cookers.....	170	1.19	20.23	24
Cooler Room Workers, Meat.....	50	.32	31.18	5
Cutting Machine Operators, Food.	80	.53	10.51	17
Delivery and Route Workers.....	1,390	10.03	8.62	41
Depositors, Food.....	50	.34	39.33	10
Dividing Machine Operators and/or Dough-Brake Machine Operators.....	170	1.24	7.47	11
Drier Operators.....	150	1.05	5.19	11
Electricians.....	70	.46	5.01	13
Food Shapers, Hand.....	50	.32	47.57	8
Helpers, Trades.....	500	3.59	16.12	16
Industrial Truck Operators.....	450	3.26	3.05	35
Inspectors.....	110	.76	7.35	14
Machinists.....	50	.33	10.34	10
Maintenance Repairers, General Utility.....	290	2.06	7.88	40
Mechanics, Automotive.....	170	1.23	12.86	33
Mechanics, Maintenance.....	240	1.70	4.95	27
Millers.....	60	.42	38.78	8
Mixers, Food.....	340	2.45	12.16	49
Order Fillers.....	350	2.54	14.97	38
Oven Operators.....	50	.38	18.90	10
Production Packagers, Hand or Machine.....	1,960	14.09	8.33	60
Skinners, Animal.....	40	.31	43.80	8
Testers.....	100	.74	5.49	17
Truck Drivers.....	510	3.66	8.36	40
Washers and/or Separators, Food.	90	.64	26.70	10
All Other Skilled Craftsmen and Kindred Workers.....	130	.93	na	na
All Other Operatives and Semi- skilled Workers.....	730	5.23	na	na
All Other Laborers and Unskilled Workers.....	520	3.73	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,500	10.77	na	na
Accounting Clerks.....	210	1.48	5.49	38
Bookkeepers, Hand.....	170	1.20	13.78	25
General Clerks, Office.....	410	2.93	6.49	57

Table 3 (Continued) Food and Kindred Products, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Key punch Operators.....	40	.30	4.47	8
Order Clerks.....	40	.28	21.39	8
Secretaries.....	260	1.87	6.62	56
Shipping and/or Receiving Clerks	170	1.21	17.28	41
Shipping Packers.....	90	.65	27.52	16
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	50	.36	22.93	19
All Other Office Clerical Workers.....	30	.22	na	na
All Other Plant Clerical Workers	30	.23	na	na
SALES OCCUPATIONS, TOTAL.....	460	3.31	na	na
Sales Clerks.....	90	.66	25.76	10
Sales Representatives, Sales Agents, and/or Sales Associates.....	370	2.64	20.53	40

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	89
Production Packagers, Hand or Machine.....	60
General Clerks, Office.....	57
Secretaries.....	56
Janitors, Porters, and Cleaners.....	54

Table 4
SIC 20
Food and Kindred Products
El Paso SMSA

This major group includes establishments manufacturing or processing foods and beverages for human consumption; and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,380	100.00	na	na
MANAGERS AND OFFICERS.....	170	5.04	4.14	80
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	<u>2/</u>			
SERVICE OCCUPATIONS, TOTAL.....	70	1.92	na	na
Janitors, Porters, and Cleaners.	70	1.92	6.71	37
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,800	82.73	na	na
Supervisors, Nonworking.....	70	2.04	7.45	34
Boners, Meat.....	90	2.66	0.00	11
Butchers, All-Around.....	180	5.42	0.00	14
Cooks and/or Cookers.....	100	3.05	6.53	34
Delivery and Route Workers.....	300	8.74	4.74	63
Helpers, Trades.....	30	.94	24.16	9
Industrial Truck Operators.....	70	2.01	6.52	26
Maintenance Repairers, General Utility.....	70	2.01	1.27	31
Mechanics, Automotive.....	30	.88	5.37	11
Mechanics, Maintenance.....	60	1.83	4.45	26
Mixers, Food.....	80	2.31	7.76	57
Order Fillers.....	70	1.98	8.49	26
Production Packagers, Hand or Machine.....	450	13.37	3.73	71
Truck Drivers.....	160	4.83	.41	20

Table 4 (Continued) Food and Kindred Products, El Paso SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	50	1.36	na	na
All Other Operatives and Semi-skilled Workers.....	890	26.21	na	na
All Other Laborers and Unskilled Workers.....	100	3.05	na	na
CLERICAL OCCUPATIONS, TOTAL.....	180	5.30	na	na
General Clerks, Office.....	80	2.34	5.22	34
All Other Clerical Workers.....	100	2.96	na	na
SALES OCCUPATIONS, TOTAL.....	150	4.30	na	na
Sales Clerks.....	40	1.12	29.64	17
Sales Representatives, Sales Agents, and/or Sales Associates.....	110	3.17	4.08	43

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	80
Production Packagers, Hand or Machine.....	71
Delivery and Route Workers.....	63
Mixers, Food.....	57

Table 5
SIC 202
Dairy Products
Statewide

This group includes establishments primarily engaged in the manufacturing of creamery butter; natural cheese; condensed and evaporated milk; ice cream and frozen desserts; and special dairy products, such as processed cheese and malted milk. This industry also includes processing (pasteurizing, homogenizing, vitaminizing, bottling) fluid milk and cream for wholesale or retail distribution.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	6,710	100.00	na	na
MANAGERS AND OFFICERS.....	470	6.96	18.32	84
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	50	.69	na	na
Accountants and Auditors.....	30	.47	28.53	33
All Other Professional and Technical Workers.....	2/			
SERVICE OCCUPATIONS, TOTAL.....	140	2.04	na	na
Food Service Workers.....	30	.49	49.40	5
Janitors, Porters, and Cleaners.	100	1.52	25.96	49
All Other Service Workers.....	2/			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	4,940	73.68	na	na
Supervisors, Nonworking.....	220	3.29	18.73	44
Cheesemakers.....	80	1.19	15.27	18
Dairy Processing Equipment Operators.....	230	3.38	11.55	58
Delivery and Route Workers.....	1,860	27.69	11.27	84
Flavor Room Workers and/or Freezer Operators.....	200	2.95	14.00	33
Industrial Truck Operators.....	30	.47	19.90	25
Maintenance Repairers, General Utility.....	180	2.65	15.21	61
Mechanics, Automotive.....	180	2.69	17.68	47

Table 5 (Continued) Dairy Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Mechanics, Maintenance.....	120	1.77	36.85	35
Mixers, Food.....	120	1.73	35.31	42
Order Fillers.....	410	6.12	12.62	51
Production Packagers, Hand or Machine.....	700	10.46	20.00	63
Testers.....	80	1.20	12.99	60
Truck Drivers.....	230	3.47	8.83	56
All Other Operatives and Semi- skilled Workers.....	150	2.24	na	na
All Other Laborers and Unskilled Workers.....	150	2.22	na	na
CLERICAL OCCUPATIONS, TOTAL.....	790	11.84	na	na
Accounting Clerks.....	140	2.14	10.32	58
Bookkeepers, Hand.....	60	.82	17.34	35
General Clerks, Office.....	260	3.87	9.50	70
Secretaries.....	70	.99	18.25	54
Shipping and/or Receiving Clerks	260	3.87	13.99	67
SALES OCCUPATIONS, TOTAL.....	320	4.79	na	na
Sales Clerks.....	60	.87	20.23	9
Sales Representatives, Sales Agents, and/or Sales Associates.....	260	3.90	11.59	61

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Delivery and Route Workers.....	84
Managers and Officers.....	84
General Clerks, Office.....	70
Shipping and/or Receiving Clerks.....	67
Production Packagers, Hand or Machine.....	63

Table 6
SIC 203
Canned and Preserved Fruits and Vegetables
Statewide

This group includes establishments primarily engaged in canning, dehydrating, pickling, freezing, and/or packing of: specialty products; fruits, vegetables, preserves, jams, and jellies; seasonings and salad dressings; and frozen specialties.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	9,380	100.00	na	na
MANAGERS AND OFFICERS.....	510	5.43	25.54	94
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	140	1.39	na	na
Accountants and Auditors.....	70	.71	14.25	39
Biological Science Technicians..	40	.40	14.90	14
All Other Professional and Technical Workers.....	30	.27	na	na
SERVICE OCCUPATIONS, TOTAL.....	450	4.81	na	na
Janitors, Porters, and Cleaners.	430	4.62	7.70	58
All Other Service Workers.....	20			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	7,020	74.94	na	na
Supervisors, Nonworking.....	310	3.26	12.87	61
Blanching Machine Operators.....	70	.69	15.08	28
Cannery Workers.....	3,090	33.10	4.78	61
Cooks and/or Cookers.....	220	2.33	5.58	42
Cutting Machine Operators, Food.	40	.44	39.55	19
Extractor Operators and/or Extractor Plant Operators.....	40	.46	25.26	14
Farm Equipment Operators.....	50	.54	26.52	8
Graders, Food and/or Skins.....	90	.97	20.99	19
Industrial Truck Operators.....	440	4.69	9.16	56
Inspectors.....	140	1.47	11.60	42
Maintenance Repairers, General Utility.....	190	2.06	5.27	50
Mechanics, Maintenance.....	320	3.41	10.55	50
Mixers, Food.....	140	1.44	11.39	58
Picklers, Food.....	90	.95	33.50	11

Table 6 (Continued) Canned and Preserved Fruits and Vegetables, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Production Packagers, Hand or Machine.....	820	8.76	14.00	72
Retort Operators.....	100	1.10	29.40	31
Testers.....	90	.98	15.38	25
Truck Drivers.....	340	3.60	25.82	50
Washers and/or Separators, Food.	60	.65	28.39	14
All Other Skilled Craftsmen and Kindred Workers.....	40	.40	na	na
All Other Operatives and Semi-skilled Workers.....	220	2.31	na	na
All Other Laborers and Unskilled Workers.....	120	1.30	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,140	12.15	na	na
Accounting Clerks.....	100	1.05	5.10	47
Bookkeepers, Hand.....	80	.84	41.93	39
General Clerks, Office.....	250	2.69	17.36	67
Secretaries.....	150	1.56	26.81	61
Shipping Packers.....	440	4.66	17.32	56
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	90	.99	26.93	56
All Other Office Clerical Workers.....	30	.33	na	na
SALES OCCUPATIONS, TOTAL.....	120	1.27	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	120	1.27	31.50	42

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	94
Production Packagers, Hand or Machine.....	72
General Clerks, Office.....	67
Cannery Workers.....	61
Secretaries.....	61
Supervisors, Nonworking.....	61

Table 7
SIC 205
Bakery Products
Statewide

This group includes establishments primarily engaged in the manufacturing of bread, cakes, and other "perishable" bakery products. Also included in this group are establishments primarily engaged in manufacturing cookies, crackers, pretzels, and similar "dry" bakery products.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	10,950	100.00	na	na
MANAGERS AND OFFICERS.....	430	3.95	12.05	87
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	60	.52	na	na
Accountants and Auditors.....	40	.33	28.81	20
All Other Professional and Technical Workers.....	2/			
SERVICE OCCUPATIONS, TOTAL.....	1,010	9.23	na	na
Janitors, Porters, and Cleaners.	770	7.06	5.88	82
All Other Service Workers.....	240	2.18	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	8,160	74.49	na	na
Supervisors, Nonworking.....	400	3.65	6.87	51
Baker Helpers.....	920	8.37	10.24	69
Bakers.....	270	2.46	33.84	60
Cutting Machine Operators, Food.	300	2.71	28.08	51
Delivery and Route Workers.....	1,730	15.84	6.63	58
Depositors, Food.....	160	1.43	18.93	36
Dividing Machine Operators and/or Dough-Brake Machine Operators.....	460	4.23	15.82	64
Food Shapers, Hand.....	150	1.36	24.80	31
Ingredient Scales.....	40	.37	15.48	22
Maintenance Repairers, General Utility.....	180	1.66	11.04	51
Mechanics, Automotive.....	140	1.28	13.73	47

Table 7 (Continued) Bakery Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Mechanics, Maintenance.....	190	1.70	8.27	36
Mixers, Food.....	490	4.49	9.90	73
Order Fillers.....	280	2.51	12.04	49
Oven Operators.....	340	3.06	15.67	76
Production Packagers, Hand or Machine.....	1,210	11.10	15.14	73
Truck Drivers.....	350	3.17	10.81	58
All Other Skilled Craftsmen and Kindred Workers.....	130	1.17	na	na
All Other Operatives and Semi- skilled Workers.....	50	.47	na	na
All Other Laborers and Unskilled Workers.....	370	3.40	na	na
CLERICAL OCCUPATIONS, TOTAL.....	740	6.79	na	na
General Clerks, Office.....	320	2.92	10.22	67
Secretaries.....	60	.58	22.09	49
Shipping and/or Receiving Clerks	140	1.23	10.94	53
Shipping Packers.....	160	1.49	15.63	31
All Other Clerical Workers.....	60	.55	na	na
SALES OCCUPATIONS, TOTAL.....	550	5.01	na	na
Sales Clerks.....	380	3.42	13.59	44
Sales Representatives, Sales Agents, and/or Sales Associates.....	170	1.58	15.99	40

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	87
Janitors, Porters, and Cleaners.....	82
Oven Operators.....	76
Mixers, Food.....	73
Production Packagers, Hand or Machine.....	73

Table 8
SIC 208
Beverages
Statewide

This group includes establishments primarily engaged in manufacturing malt beverages; malt; wines, brandy, and brandy spirits; distilled, rectified, and blended liquors; bottled and canned soft drinks and carbonated waters; and flavoring extracts and syrups.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	16,920	100.00	na	na
MANAGERS AND OFFICERS.....	1,400	8.29	5.90	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	240	1.43	na	na
Accountants and Auditors.....	110	.63	16.44	38
Biological Science Technicians..	50	.30	9.86	5
All Other Professional and Technical Workers.....	80	.49	na	na
SERVICE OCCUPATIONS, TOTAL.....	270	1.63	na	na
Janitors, Porters, and Cleaners.	220	1.30	10.92	59
All Other Service Workers.....	50	.32	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	12,720	75.22	na	na
Supervisors, Nonworking.....	770	4.55	6.06	58
Carbonation Equipment Tenders, Beer.....	40	.21	43.16	7
Coin Machine Servicers and/or Vending Machine Repairers.....	420	2.48	9.13	65
Cooks and/or Cookers.....	50	.26	17.30	5
Delivery and Route Workers.....	3,600	21.32	5.61	76
Electricians.....	90	.52	8.79	7
Fermentation Operators.....	80	.46	6.42	4
Helpers, Trades.....	540	3.17	10.48	22
Industrial Truck Operators.....	1,150	6.82	4.45	80
Inspectors.....	310	1.81	9.52	49

Table 8 (Continued) Beverages, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Machinists.....	70	.43	33.27	12
Maintenance Repairers, General Utility.....	320	1.91	10.68	41
Mechanics, Automotive.....	270	1.58	10.68	42
Mechanics, Maintenance.....	190	1.14	7.52	19
Mixers, Food.....	200	1.20	22.21	50
Order Fillers.....	250	1.47	20.60	27
Production Packagers, Hand or Machine.....	3,030	17.92	5.87	76
Testers.....	80	.44	8.61	27
Truck Drivers.....	290	1.73	11.55	55
All Other Skilled Craftsmen and Kindred Workers.....	40	.22	na	na
All Other Operatives and Semi- skilled Workers.....	160	.97	na	na
All Other Laborers and Unskilled Workers.....	770	4.52	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,530	8.95	na	na
Accounting Clerks.....	290	1.74	7.89	58
Bookkeepers, Hand.....	140	.79	17.70	38
General Clerks, Office.....	280	1.66	8.69	62
Keypunch Operators.....	30	.20	10.64	11
Production Clerks and/or Coordinators.....	100	.56	28.02	8
Secretaries.....	260	1.53	8.02	58
Shipping and/or Receiving Clerks	200	1.16	16.05	51
Typists.....	70	.39	30.38	23
All Other Office Clerical Workers.....	80	.46	na	na
All Other Plant Clerical Workers	80	.44	na	na
SALES OCCUPATIONS, TOTAL.....	760	4.47	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	750	4.44	19.99	58
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 8 (Continued) Beverages, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Industrial Truck Operators.....	80
Delivery and Route Workers.....	76
Production Packagers, Hand or Machine.....	76
Coin Machine Servicers and/or Vending Machine Repairers.....	65

Table 9
SIC 209
Miscellaneous Food Preparations and Kindred Products
Statewide

This group includes establishments primarily engaged in canning and curing fish and seafoods; preparing fresh and raw or cooked frozen packaged fish and other seafood, including soups; roasting coffee and manufacturing coffee concentrates and extracts; manufacturing ice; manufacturing dry macaroni, spaghetti, vermicelli, and noodles; and other food preparations, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	11,410	100.00	na	na
MANAGERS AND OFFICERS.....	1,030	9.05	5.93	84
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	190	1.74	na	na
Accountants and Auditors.....	70	.62	19.51	16
Biological Science Technicians..	40	.34	19.74	8
All Other Professional Workers..	50	.47	na	na
All Other Technical Workers.....	30	.29	na	na
SERVICE OCCUPATIONS, TOTAL.....	580	5.06	na	na
Janitors, Porters, and Cleaners.	540	4.72	5.75	43
All Other Service Workers.....	40	.34	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	8,180	71.78	na	na
Supervisors, Nonworking.....	270	2.33	7.47	28
Cooks and/or Cookers.....	490	4.33	14.40	44
Cutting Machine Operators, Food.	70	.63	35.83	9
Delivery and Route Workers.....	410	3.58	23.99	42
Drier Operators.....	90	.82	3.93	5
Electricians.....	30	.26	12.37	6
Helpers, Trades.....	170	1.47	45.96	9
Industrial Truck Operators.....	260	2.31	8.15	23
Inspectors.....	210	1.87	5.80	9
Machinists.....	40	.30	25.30	9
Maintenance Repairers, General Utility.....	340	2.93	9.16	34

Table 9 (Continued) Miscellaneous Food Preparations and Kindred Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Mechanics, Automotive.....	50	.47	18.56	16
Mechanics, Maintenance.....	180	1.54	8.98	11
Millers.....	40	.35	26.20	10
Mixers, Food.....	350	3.08	18.04	47
Order Fillers.....	280	2.48	9.72	25
Production Packagers, Hand or Machine.....	2,970	26.06	5.26	76
Shellfish Processing Machine Tenders.....	120	1.01	0.00	3
Testers.....	160	1.39	12.05	8
Truck Drivers.....	380	3.30	14.72	33
All Other Skilled Craftsmen and Kindred Workers.....	40	.34	na	na
All Other Operatives and Semi- skilled Workers.....	750	6.61	na	na
All Other Laborers and Unskilled Workers.....	480	4.23	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,170	10.04	na	na
Accounting Clerks.....	150	1.29	10.04	30
Bookkeepers, Hand.....	90	.76	24.80	24
General Clerks, Office.....	250	2.16	10.22	42
Order Clerks.....	40	.30	34.40	14
Secretaries.....	190	1.64	8.99	36
Shipping Packers.....	210	1.80	26.28	19
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	100	.86	13.64	20
All Other Clerical Workers.....	140	1.19	na	na
SALES OCCUPATIONS, TOTAL.....	260	2.32	na	na
Sales Clerks.....	100	.91	38.23	19
Sales Representatives, Sales Agents, and/or Sales Associates.....	160	1.41	41.74	22

^{1/} Based on unrounded data.

Table 9 (Continued) Miscellaneous Food Preparations and Kindred Products, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	84
Production Packagers, Hand or Machine.....	76
Mixers, Food.....	47
Cooks and/or Cookers.....	44
Janitors, Porters, and Cleaners.....	43

SIC 22 TEXTILE MILL PRODUCTS

The Textile Industry in Texas is not one of the State's largest industries. There are only 93 plants with a total of fewer than 7,000 workers (April 1977). Development of this industry has been inhibited by worldwide oversupply of textiles and intense competition.

The cotton fabric sector represents the largest portion of the total industry, with 62 percent of the employment concentrated among 16 plants.

As evidenced by the table, most occupations in the Textile Industry are machine operative jobs that can be learned on the job. Other occupations require additional training and special skills. A small share of the jobs is held by workers trained in professional fields.

The Textile Industry employment growth is expected to be slower than the average for all industries through the mid-1980's. Expansion of the industry will be mainly correlated to demand from the Apparel and Home Furnishing Industries. Other than moderate expansion, job openings will result from persons leaving the industry because of death, retirement, or for other reasons than employment growth.

Average Annual Employment in the Textile Mill Products Industry*

1975	6,900
1976	7,200
1977	7,100

*Source: Current Employment Statistics Program.

Table 10
SIC 22
Textile Mill Products
Statewide

This major group includes establishments engaged in performing any of the following operations: (1) preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage; (2) manufacturing broad woven fabric, narrow woven fabric, knit fabric, and carpets and rugs from yarn; (3) dyeing and finishing fiber, yarn, fabric, and knit apparel; (4) coating, waterproofing, or otherwise treating fabric; (5) the integrated manufacture of knit apparel and other finished articles from yarn; and (6) the manufacture of felt goods, lace goods, nonwoven fabrics, and miscellaneous textiles.

Occupation	Estimated Empl.	% of Total Empl. <u>1/</u>	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	6,990	100.00	na	na
MANAGERS AND OFFICERS.....	220	3.11	15.37	85
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	140	2.00	na	na
Accountants and Auditors.....	50	.70	23.57	34
All Other Professional and Technical Workers.....	90	1.30	na	na
SERVICE OCCUPATIONS, TOTAL.....	140	2.04	na	na
Guards and Doorkeepers.....	60	.87	0.00	20
Janitors, Porters, and Cleaners.	70	1.06	23.60	37
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	6,070	86.86	na	na
Supervisors, Nonworking.....	240	3.49	15.43	51
Battery Loaders.....	100	1.49	29.03	10
Beam-Warper Tenders, Automatic and/or Beamers.....	60	.86	12.46	20
Blending Machine Operators.....	50	.74	20.40	20
Bobbin Sorters.....	30	.47	0.00	7
Card Tenders, Comber Tenders, and/or Card Strippers.....	120	1.69	8.84	22

Table 10 (Continued) Textile Mill Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ¹ / ₁	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Cloth Feeders and/or Back Tenders.....	30	.45	0.00	12
Cloth Finishing-Range Operators, Chief.....	40	.51	29.05	10
Cloth Finishing-Range Tenders, Middle.....	50	.76	40.18	10
Creelers, Yarn.....	140	2.03	16.88	20
Cutters, Machine.....	140	1.99	3.20	15
Doffers.....	190	2.72	4.19	20
Drawing-Frame Tenders and/or Gill-Box Tenders.....	90	1.35	10.61	17
Electricians.....	40	.54	7.92	22
Helpers, Trades.....	40	.53	9.22	15
Industrial Truck Operators.....	60	.89	11.55	32
Inspectors.....	190	2.77	15.05	27
Knitting Machine Operators.....	110	1.60	2.52	7
Loom Fixers.....	250	3.61	.97	15
Machinists.....	30	.47	1.89	12
Maintenance Repairers, General Utility.....	50	.71	23.58	34
Mechanics, Maintenance.....	50	.66	0.00	15
Oilers.....	50	.68	13.81	15
Opener Tenders and/or Waste Machine Tenders.....	30	.45	31.14	10
Picker Tenders.....	30	.44	25.83	12
Production Packagers, Hand or Machine.....	130	1.86	20.99	29
Section Repairers and Setters...	210	3.00	8.95	15
Sewing Machine Operators, Regular Equipment-Garment....	180	2.58	12.26	17
Sewing Machine Operators, Regular Equipment-Nongarment..	170	2.37	35.32	22
Slasher Tenders.....	50	.67	11.12	10
Slubber Tenders.....	80	1.10	14.41	10
Smash Hands.....	70	.99	.90	12
Spinners, Frame.....	340	4.94	8.70	20
Testers.....	30	.44	21.05	20
Twister Tenders.....	40	.58	17.27	10
Warp-Tying Machine Tenders.....	50	.64	3.11	15
Weavers.....	420	6.09	9.55	20
Winder Operators, Automatic....	120	1.75	21.08	17

Table 10 (Continued) Textile Mill Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Yarn Winders.....	80	1.20	36.31	10
All Other Mechanics and Repairers.....	50	.66	na	na
All Other Skilled Craftsmen and Kindred Workers.....	90	1.23	na	na
All Other Operatives and Semi- skilled Workers.....	1,020	14.59	na	na
All Other Laborers and Unskilled Workers.....	730	10.40	na	na
CLERICAL OCCUPATIONS, TOTAL.....	350	4.94	na	na
General Clerks, Office.....	90	1.32	13.06	29
Secretaries.....	40	.57	14.41	39
Shipping Packers.....	30	.47	20.96	27
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	40	.53	6.49	12
All Other Office Clerical Workers.....	100	1.41	na	na
All Other Plant Clerical Workers	50	.64	na	na
SALES OCCUPATIONS, TOTAL.....	70	1.00	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	70	1.00	25.09	32

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	85
Supervisors, Nonworking.....	51
Secretaries.....	39
Janitors, Porters, and Cleaners.....	37

Table 11
SIC 22
Textile Mill Products
San Antonio SMSA

This major group includes establishments engaged in performing any of the following operations: (1) preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage; (2) manufacturing broad woven fabric, narrow woven fabric, knit fabric, and carpets and rugs from yarn; (3) dyeing and finishing fiber, yarn, fabric, and knit apparel; (4) coating, waterproofing, or otherwise treating fabric; (5) the integrated manufacture of knit apparel and other finished articles from yarn; and (6) the manufacture of felt goods, lace goods, nonwoven fabrics, and miscellaneous textiles.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,200	100.00	na	na
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	70	3.05	na	na
SERVICE OCCUPATIONS.....	40	1.59	na	na
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,970	88.77	na	na
Supervisors, Nonworking.....	80	3.68	0.00	80
Battery Loaders.....	40	1.72	0.00	40
Beam-Dyer Operators and/or Package-Dyeing Machine Operators.....	40	1.81	0.00	20
Creelers, Yarn.....	30	1.54	0.00	20
Cutters, Machine.....	80	3.73	0.00	40
Inspectors.....	110	4.91	0.00	60
Knitting Machine Operators.....	60	2.72	0.00	20
Loom Fixers.....	70	3.09	0.00	40
Production Packagers, Hand or Machine.....	30	1.41	0.00	60
Section Repairers and Setters...	50	2.09	0.00	20
Sewing Machine Operators, Regular Equipment-Garment.....	50	2.13	0.00	20
Slasher Tenders.....	40	1.72	0.00	40
Spinners, Frame.....	90	4.14	0.00	20
Spooler Operators, Automatic....	40	1.63	0.00	20

Table 11 (Continued) Textile Mill Products, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Weavers.....	130	5.95	0.00	40
Winder Operators, Automatic.....	30	1.50	0.00	20
All Other Mechanics and Repairers.....	50	2.09	na	na
All Other Skilled Craftsmen and Kindred Workers.....	60	2.68	na	na
All Other Operatives and Semi- skilled Workers.....	760	34.47	na	na
All Other Laborers and Unskilled Workers.....	130	5.68	na	na
CLERICAL OCCUPATIONS, TOTAL.....	120	5.55	na	na
General Clerks, Office.....	50	2.32	0.00	40
All Other Clerical Workers.....	70	3.23	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Supervisors, Nonworking.....	80
Inspectors.....	60
Production Packagers, Hand or Machine.....	60

Table 12
SIC 221
Broad Woven Fabric Mills, Cotton
Statewide

This group includes establishments primarily engaged in weaving fabrics over twelve inches in width, wholly or chiefly by weight of cotton.

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	4,340	100.00	na	na
MANAGERS AND OFFICERS.....	30	.71	0.00	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	90	2.13	na	na
SERVICE OCCUPATIONS, TOTAL.....	100	2.24	na	na
Guards and Doorkeepers.....	50	1.09	0.00	67
Janitors, Porters, and Cleaners.	50	1.09	36.82	67
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	3,930	90.60	na	na
Supervisors, Nonworking.....	150	3.38	24.54	50
Battery Loaders.....	90	2.06	33.92	50
Beam-Dyer Operators and/or Package-Dyeing Machine Operators.....	40	.92	0.00	17
Beam-Warper Tenders, Automatic, and/or Beamers.....	40	.92	6.01	67
Bobbin Sorters.....	30	.71	0.00	33
Card Tenders, Comber Tenders, and/or Card Strippers.....	80	1.80	10.07	67
Creelers, Yarn.....	80	1.87	2.99	67
Cutters, Machine.....	80	1.83	0.00	17
Doffers.....	130	3.08	2.74	50
Drawing-Frame Tenders and/or Gill-Box Tenders.....	70	1.55	8.09	50
Electricians.....	30	.74	8.80	67
Harness Placers.....	40	.83	16.23	33
Inspectors.....	120	2.78	24.15	50
Loom Fixers.....	230	5.28	1.08	67

Table 12 (Continued) Broad Woven Fabric Mills, Cotton, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Mechanics, Maintenance.....	30	.71	0.00	33
Oilers.....	40	.99	15.42	67
Section Repairers and Setters...	190	4.38	8.28	67
Sewing Machine Operators, Regular Equipment-Nongarment..	30	.76	47.54	33
Slasher Tenders.....	50	1.04	11.61	50
Slubber Tenders.....	70	1.60	6.13	50
Smash Hands.....	70	1.53	.94	67
Spinners, Frame.....	260	6.05	5.53	67
Spooler Operators, Automatic....	80	1.80	34.83	33
Warp-Tying Machine Tenders.....	40	.83	3.88	67
Weavers.....	300	7.05	10.93	67
Winder Operators, Automatic.....	100	2.36	24.24	67
All Other Skilled Craftsmen and Kindred Workers.....	130	3.03	na	na
All Other Operatives and Semi- skilled Workers.....	710	16.50	na	na
All Other Laborers and Unskilled Workers.....	620	14.30	na	na
CLERICAL OCCUPATIONS, TOTAL.....	190	4.25	na	na
General Clerks, Office.....	50	1.15	5.23	33
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	40	.81	6.86	50
All Other Clerical Workers.....	100	2.29	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATION IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	83

SIC 25 FURNITURE AND FIXTURES

Household furniture and public building fixtures are the two chief product categories of the Furniture and Fixtures Industry in Texas. Most of the 407 plants in this industry are small. Many of them specialize in mattress production, long a significant industry in Texas because of its dependence on cotton supplies.

As in similar manufacturing industries, the majority of occupations in this major group were in blue-collar Maintenance and Production occupations with an estimated employment of 14,200 in June of 1977. This category accounted for slightly over 79 percent of the industry's total of 17,790. There were no particularly dominant occupations within this category with the possible exception of Assemblers, Nongarment Sewing Machine Operators, and Upholsterers.

Employment in the Furniture and Fixtures Industry has grown slightly over 15 percent from 1975 to 1977. Since continued growth is related to construction activity; any abatement in this area will have some impact on the total Furniture and Fixtures Industry.

Average Annual Employment for the Furniture and Fixtures Industry*

1975	15,500
1976	16,800
1977	17,900

*Source: Current Employment Statistics Program.

Table 13
SIC 25
Furniture and Fixtures
Statewide

This major group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture; and office and store fixtures.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	17,790	100.00	na	na
MANAGERS AND OFFICERS.....	860	4.85	4.64	87
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	320	1.80	na	na
Accountants and Auditors.....	80	.43	9.02	21
Drafters.....	60	.34	9.82	9
Purchasing Agents and/or Buyers.	50	.28	6.30	16
All Other Professional and Technical Workers.....	130	.73	na	na
SERVICE OCCUPATIONS, TOTAL.....	270	1.53	na	na
Janitors, Porters, and Cleaners.	220	1.23	6.04	45
All Other Service Workers.....	50	.29	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	14,210	79.73	na	na
Supervisors, Nonworking.....	540	3.02	4.28	48
Assemblers, Class A.....	270	1.51	17.64	15
Assemblers, Class B.....	420	2.36	13.38	19
Assemblers, Class C.....	1,080	6.08	9.66	33
Band-Scroll Saw Operators.....	40	.21	15.97	9
Boring Machine Operators, Wood..	70	.39	9.31	9
Cabinetmakers.....	450	2.51	8.97	25
Carpenters.....	50	.29	30.46	6
Cushion Makers.....	250	1.42	12.08	20
Cut-Off Saw Operators, Lumber...	190	1.05	8.99	27
Delivery and Route Workers.....	90	.48	14.09	7
Drill-Press and/or Boring Machine Operators.....	30	.17	0.00	3

Table 13 (Continued) Furniture and Fixtures, Statewide

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	60	.34	16.58	5
Furniture Finishers.....	140	.81	7.77	7
Gluers and/or Cementers, Hand...	140	.81	4.58	8
Gluing Machine Operators.....	40	.23	19.21	5
Grinding and/or Abrading Machine Operators, Metal.....	100	.58	4.86	5
Helpers, Trades.....	440	2.49	6.69	22
Industrial Truck Operators.....	130	.73	7.84	21
Inspectors.....	160	.87	8.10	17
Laminating Machine Operators, Furniture.....	100	.53	20.42	12
Machine Setters, Woodworking....	50	.29	1.69	3
Machinists.....	30	.19	6.93	8
Maintenance Repairers, General Utility.....	70	.38	8.95	14
Mattress Makers.....	330	1.86	19.56	17
Mechanics, Maintenance.....	60	.33	9.82	9
Nailing Machine Operators.....	40	.23	23.44	6
Off-Bearers.....	60	.36	24.39	5
Order Fillers.....	40	.21	18.48	5
Painters, Production.....	390	2.16	10.38	37
Plastic Top Installers.....	150	.84	14.66	16
Plater Helpers.....	30	.18	4.28	3
Power Brake and/or Bending Machine Operators, Metal.....	110	.59	14.26	9
Power Screwdriver Operators.....	80	.42	11.85	5
Production Packagers, Hand or Machine.....	240	1.32	8.91	18
Punch-Press Operators, Metal....	200	1.09	11.92	13
Ripsaw Operators.....	260	1.44	15.33	28
Rubbers.....	60	.34	12.19	5
Sanders, Wood.....	340	1.91	6.83	22
Sewing Machine Operators, Regular Equipment-Nongarment..	1,140	6.39	6.52	40
Sewing Machine Operators, Special and/or Automatic Equipment-Nongarment.....	270	1.49	11.24	19
Shaper and/or Router Operators..	80	.46	7.00	10
Shapers, Hand.....	50	.27	3.02	4
Sheet Metal Workers.....	90	.52	20.82	3
Sorters, Upholstery Parts.....	60	.32	18.93	7

Table 13 (Continued) Furniture and Fixtures, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Spring Machine Operators.....	60	.32	33.45	3
Springers.....	150	.83	13.23	20
Staplers, Mattress and/or Bedspring.....	60	.34	39.09	5
Tenoner Operators.....	40	.21	8.30	5
Truck Drivers.....	440	2.46	5.21	52
Upholsterers.....	1,030	5.80	7.26	32
Upholstery Cutters.....	380	2.13	9.55	26
Upholstery Trimmers.....	150	.86	14.59	13
Variety Saw Operators.....	80	.43	18.37	9
Welders and Flamecutters-A.....	100	.55	27.68	7
Welders and Flamecutters-B.....	120	.67	10.19	10
Welders and Flamecutters-C.....	150	.86	6.76	7
Wood Machinists.....	320	1.77	12.90	26
Woodworking Machine Operators...	250	1.40	13.33	20
All Other Mechanics and Repairers.....	50	.25	na	na
All Other Skilled Craftsmen and Kindred Workers.....	230	1.29	na	na
All Other Operatives and Semi- skilled Workers.....	560	3.13	na	na
All Other Laborers and Unskilled Workers.....	1,020	5.73	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,640	9.35	na	na
Clerical Supervisors, Office or Plant.....	50	.30	28.25	5
Accounting Clerks.....	90	.52	7.47	22
Bookkeepers, Hand.....	140	.78	13.08	32
General Clerks, Office.....	250	1.42	7.77	42
Order Clerks.....	30	.19	5.84	8
Payroll and/or Timekeeping Clerks.....	40	.20	7.87	13
Production Clerks and/or Coordinators.....	70	.39	9.48	14
Secretaries.....	160	.91	7.83	35
Shipping and/or Receiving Clerks	180	1.03	8.83	40
Shipping Packers.....	250	1.40	9.10	34
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	90	.51	7.73	11
Typists.....	50	.27	13.15	7
All Other Clerical Workers.....	240	1.37	na	na

Table 13 (Continued) Furniture and Fixtures, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	490	2.75	na	na
Sales Clerks.....	40	.20	40.36	3
Sales Representatives, Sales Agents, and/or Sales Associates.....	450	2.55	10.29	44

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	87
Truck Drivers.....	52
Supervisors, Nonworking.....	48
Janitors, Porters, and Cleaners.....	45
Sales Representatives, Sales Agents, and/or Sales Associates.....	44

Table 14
SIC 25
Furniture and Fixtures
Dallas-Fort Worth SMSA

This major group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture; and office and store fixtures.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,860	100.00	na	na
MANAGERS AND OFFICERS.....	300	5.11	7.13	89
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	110	1.78	na	na
Accountants and Auditors.....	30	.48	18.81	20
All Other Professional and Technical Workers.....	80	1.30	na	na
SERVICE OCCUPATIONS, TOTAL.....	80	1.41	na	na
Janitors, Porters, and Cleaners.	60	1.02	10.13	38
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	4,550	77.75	na	na
Supervisors, Nonworking.....	170	2.96	7.23	50
Assemblers, Class A.....	100	1.64	45.48	12
Assemblers, Class B.....	130	2.28	31.37	18
Assemblers, Class C.....	360	6.21	17.10	39
Cabinetmakers.....	160	2.67	13.78	26
Cushion Makers.....	70	1.21	16.60	18
Cut-Off Saw Operators, Lumber...	80	1.44	12.54	32
Furniture Finishers.....	40	.68	11.84	9
Glueers and/or Cementers, Hand...	30	.56	9.64	5
Helpers, Trades.....	210	3.57	7.13	18
Industrial Truck Operators.....	40	.73	18.34	18
Inspectors.....	50	.77	20.09	14
Mattress Makers.....	120	2.05	41.92	13

Table 14 (Continued) Furniture and Fixtures, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Painters, Production.....	120	1.97	19.10	34
Plastic Top Installers.....	50	.80	23.59	17
Production Packagers, Hand or Machine.....	60	1.02	22.77	17
Punch-Press Operators, Metal....	80	1.33	20.48	16
Ripsaw Operators.....	120	2.00	31.58	29
Sanders, Wood.....	100	1.75	17.34	17
Sewing Machine Operators, Regular Equipment-Nongarment..	350	6.07	14.19	34
Sewing Machine Operators, Special and/or Automatic Equipment-Nongarment.....	120	2.05	13.79	16
Springers.....	60	.99	22.44	21
Truck Drivers.....	160	2.76	9.44	45
Upholsterers.....	300	5.06	14.90	29
Upholstery Cutters.....	130	2.16	11.01	24
Upholstery Trimmers.....	70	1.20	17.92	14
Welders and Flamecutters-A.....	40	.63	22.97	8
Welders and Flamecutters-B.....	50	.87	22.65	11
Wood Machinists.....	110	1.92	28.25	26
Woodworking Machine Operators...	80	1.35	16.42	16
All Other Skilled Craftsmen and Kindred Workers.....	220	3.74	na	na
All Other Operatives and Semi- skilled Workers.....	510	8.79	na	na
All Other Laborers and Unskilled Workers.....	260	4.42	na	na
CLERICAL OCCUPATIONS, TOTAL.....	640	10.97	na	na
Accounting Clerks.....	40	.66	12.52	28
Bookkeepers, Hand.....	60	1.06	24.91	30
General Clerks, Office.....	80	1.40	17.11	37
Production Clerks and/or Coordinators.....	40	.60	17.73	18
Secretaries.....	40	.68	13.00	30
Shipping and/or Receiving Clerks	60	1.04	12.02	42
Shipping Packers.....	80	1.42	17.51	34
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	50	.80	14.33	14
All Other Clerical Workers.....	190	3.27	na	na

Table 14 (Continued) Furniture and Fixtures, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	180	2.98	na	na
Sales Clerks.....	30	.42	44.83	4
Sales Representatives, Sales Agents, and/or Sales Associates.....	150	2.55	10.55	43

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	89
Supervisors, Nonworking.....	50
Truck Drivers.....	45
Sales Representatives, Sales Agents, and/or Sales Associates.....	43
Shipping and/or Receiving Clerks.....	42

Table 15
SIC 251
Household Furniture
Statewide

This group includes establishments primarily engaged in manufacturing wood and/or metal household furniture; mattresses and bedsprings; wood television, radio, phonograph, and sewing machine cabinets; and household furniture, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	11,000	100.00	na	na
MANAGERS AND OFFICERS.....	470	4.27	7.70	86
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	120	1.14	na	na
Accountants and Auditors.....	30	.31	17.39	17
All Other Professional and Technical Workers.....	90	.83	na	na
SERVICE OCCUPATIONS, TOTAL.....	170	1.52	na	na
Janitors, Porters, and Cleaners.	130	1.18	8.62	48
All Other Service Workers.....	40	.34	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	8,910	81.02	na	na
Supervisors, Nonworking.....	340	3.08	6.18	55
Assemblers, Class A.....	120	1.12	36.46	11
Assemblers, Class B.....	250	2.31	21.61	12
Assemblers, Class C.....	650	5.97	14.96	32
Boring Machine Operators, Wood..	60	.53	9.63	11
Cabinetmakers.....	60	.50	39.46	7
Cushion Makers.....	220	2.00	13.93	35
Cut-Off Saw Operators, Lumber...	130	1.17	11.21	29
Delivery and Route Workers.....	80	.73	14.91	10
Furniture Finishers.....	110	.98	10.03	8
Gluers and/or Cementers, Hand...	60	.52	8.63	7
Helpers, Trades.....	260	2.32	9.14	16
Industrial Truck Operators.....	70	.61	13.74	26
Inspectors.....	90	.77	10.97	21

Table 15 (Continued) Household Furniture, Statewide

Occupation	Estimated Empl.	% of Total Empl.1/	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Machine Setters, Woodworking....	50	.45	1.79	5
Maintenance Repairers, General Utility.....	40	.35	13.69	16
Mattress Makers.....	330	3.02	19.56	35
Mechanics, Maintenance.....	40	.35	13.14	9
Nailing Machine Operators.....	30	.31	27.46	9
Off-Bearers.....	40	.38	37.17	5
Painters, Production.....	170	1.51	22.11	27
Power Screwdriver Operators.....	30	.31	25.30	4
Production Packagers, Hand or Machine.....	180	1.64	9.85	24
Ripsaw Operators.....	200	1.84	19.22	33
Rubbers.....	40	.40	11.82	5
Sanders, Wood.....	240	2.15	8.47	21
Sewing Machine Operators, Regular Equipment-Nongarment..	1,010	9.21	7.03	64
Sewing Machine Operators, Special and/or Automatic Equipment-Nongarment.....	260	2.37	11.41	36
Shaper and/or Router Operators..	50	.41	8.03	7
Shapers, Hand.....	40	.34	2.36	4
Sorters, Upholstery Parts.....	60	.52	18.93	14
Spring Machine Operators.....	60	.52	33.45	5
Springers.....	140	1.29	13.86	36
Staplers, Mattress and Bedspring	60	.54	40.39	8
Tenoner Operators.....	30	.29	8.75	6
Truck Drivers.....	350	3.15	6.25	68
Upholsterers.....	840	7.66	8.41	47
Upholstery Cutters.....	340	3.11	10.47	42
Upholstery Trimmers.....	150	1.33	15.22	22
Variety Saw Operators.....	50	.45	27.99	11
Wood Machinists.....	220	1.96	17.83	27
Woodworking Machine Operators...	160	1.47	14.99	18
All Other Mechanics and Repairers.....	30	.29	na	na
All Other Skilled Craftsmen and Kindred Workers.....	140	1.24	na	na
All Other Operatives and Semi- skilled Workers.....	400	3.66	na	na
All Other Laborers and Unskilled Workers.....	630	5.75	na	na

Table 15 (Continued) Household Furniture, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	1,000	9.01	na	na
Clerical Supervisors, Office or Plant.....	40	.40	34.61	8
Accounting Clerks.....	50	.44	12.55	21
Bookkeepers, Hand.....	100	.88	17.95	38
General Clerks, Office.....	140	1.28	12.16	49
Production Clerks and/or Coordinators.....	40	.31	18.51	13
Shipping and/or Receiving Clerks	120	1.05	13.38	46
Shipping Packers.....	160	1.46	12.16	39
Secretaries.....	90	.81	12.97	35
Stock Clerks-Stockroom, Ware- house or Storage Yard.....	40	.31	18.24	11
Typists.....	30	.29	13.91	9
All Other Clerical Workers.....	190	1.73	na	na
SALES OCCUPATIONS, TOTAL.....	330	3.04	na	na
Sales Clerks.....	30	.30	43.78	5
Sales Representatives, Sales Agents, and/or Sales Associates.....	300	2.74	15.39	51

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	86
Truck Drivers.....	68
Sewing Machine Operators, Regular Equipment-Nongarment	64
Supervisors, Nonworking.....	55
Sales Representatives, Sales Agents, and/or Sales Associates.....	51
General Clerks, Office.....	49

Table 16
SIC 253
Public Building and Related Furniture
Statewide

This group includes establishments primarily engaged in manufacturing furniture for schools, theaters, assembly halls, churches, and libraries. Also included are establishments engaged in manufacturing seats for public conveyances, as well as seats for automobiles and aircraft.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,510	100.00	na	na
MANAGERS AND OFFICERS.....	130	3.72	5.93	92
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	100	2.87	na	na
SERVICE OCCUPATIONS.....	40	1.12	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,850	81.10	na	na
Supervisors, Nonworking.....	110	3.23	3.26	64
Assemblers, Class A.....	100	2.75	5.18	28
Assemblers, Class B.....	100	2.78	5.03	28
Assemblers, Class C.....	240	6.87	9.10	40
Cabinetmakers.....	80	2.40	8.24	40
Gluers and/or Cementers, Hand...	80	2.17	0.00	20
Grinding and/or Abrading Machine Operators, Metal.....	60	1.80	0.00	20
Helpers, Trades.....	100	2.86	10.71	40
Industrial Truck Operators.....	40	1.03	1.77	32
Inspectors.....	60	1.60	13.40	32
Painter, Production.....	60	1.83	6.97	64
Plater Helpers.....	30	.85	0.00	16
Power Brake and/or Bending Machine Operators, Metal.....	30	.88	2.88	24
Power Screwdriver Operators.....	40	1.03	0.00	16
Punch-Press Operators, Metal....	70	1.86	12.37	28
Sanders, Wood.....	60	1.83	12.35	40
Sewing Machine Operators, Regular Equipment-Nongarment..	110	3.00	19.08	40

Table 16 (Continued) Public Building and Related Furniture, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Truck Drivers.....	40	1.11	9.37	52
Upholsterers.....	130	3.69	8.89	36
Welders and Flamecutters-A.....	40	1.20	17.01	20
Welders and Flamecutters-B.....	50	1.49	21.65	28
Welders and Flamecutters-C.....	100	2.86	1.78	24
Wood Machinists.....	40	1.03	32.14	32
All Other Skilled Craftsmen and Kindred Workers.....	230	6.60	na	na
All Other Operatives and Semi- skilled Workers.....	490	13.91	na	na
All Other Laborers and Unskilled Workers.....	360	10.27	na	na
CLERICAL OCCUPATIONS, TOTAL.....	340	9.75	na	na
General Clerks, Office.....	70	1.89	4.61	68
Secretaries.....	30	.88	10.54	32
Shipping and/or Receiving Clerks.	40	1.00	8.15	60
Shipping Packers.....	30	.97	9.19	44
All Other Office Clerical Workers	120	3.47	na	na
All Other Plant Clerical Workers.	50	1.52	na	na
SALES OCCUPATIONS, TOTAL.....	50	1.43	na	na
Sales Representatives, Sales Agents, and/or Sales Associates	50	1.43	8.66	44

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	92
General Clerks, Office.....	68
Painters, Production.....	64
Supervisors, Nonworking.....	64
Shipping and/or Receiving Clerks.....	60

SIC 26
PAPER AND ALLIED PRODUCTS

Texas has approximately 200 paper manufacturing establishments; fewer than a dozen actually produce woodpulp and paper. All of these are in the eastern part of the State where timber is readily available. Most of the plants are associated with the production of paper boxes, bags, stationery, and domestic products.

As of April 1977, this industry employed an estimated 17,100 individuals, with 77 percent employed in Maintenance and Production. Two major industry segments--Converted Paper and Paperboard Products, and Paperboard Containers and Boxes make up 68 percent of the total Paper and Allied Products Industry's employment.

Employment in the Paper and Allied Products Industry is expected to increase more slowly than the average for all industries through the mid-1980's. Although a significant number of job openings are expected due to growth, most openings will stem from attrition. Job openings may fluctuate from year to year, because the demand for paper and paper products is sensitive to changes in economic conditions.

Average Annual Employment for the Paper
and Allied Industries*

1975	18,200
1976	19,900
1977	21,200

*Source: Current Employment Statistics Program.

Table 17
SIC 26
Paper and Allied Products
Statewide

This major group includes the manufacture of pulps from wood and other cellulose fibers, and from rags; the manufacture of paper and paperboard; and the manufacture of paper and paperboard into converted products such as paper coated off the paper machine, paper bags, paper boxes, and envelopes.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	17,110	100.00	na	na
MANAGERS AND OFFICERS.....	780	4.57	10.26	95
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	430	2.51	na	na
Accountants and Auditors.....	80	.48	11.59	35
Commercial Artists.....	40	.21	28.61	11
Mechanical Engineers.....	30	.18	24.58	10
Personnel and Labor Relations Specialists.....	60	.32	16.58	18
Purchasing Agents and/or Buyers.	50	.31	20.16	20
All Other Engineers.....	60	.33	na	na
All Other Professional and Technical Workers.....	110	.66	na	na
SERVICE OCCUPATIONS, TOTAL.....	230	1.35	na	na
Janitors, Porters, and Cleaners.	190	1.10	6.27	47
All Other Service Workers.....	40	.25	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	13,240	77.46	na	na
Supervisors, Nonworking.....	820	4.80	5.77	67
Assemblers, Class B.....	950	5.55	2.51	4
Assemblers, Class C.....	390	2.30	43.63	8
Back Tenders.....	130	.76	7.07	3
Bag Machine Operators.....	240	1.39	42.45	14
Baling Machine Operators.....	150	.85	13.62	45
Box Makers, Paperboard.....	40	.22	33.47	6

Table 17 (Continued) Paper and Allied Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Carton-Forming Machine Operators	60	.34	22.55	14
Coating Mixer Tenders.....	40	.23	3.22	3
Conveyor Operators or Tenders..	100	.57	17.38	12
Corrugator-Knife Operators.....	60	.37	10.33	18
Corrugator Operators.....	140	.79	12.09	23
Cutters, Machine.....	210	1.23	35.96	18
Cutting and Creasing Press Operators.....	100	.59	20.29	26
Delivery and Route Workers.....	30	.18	26.18	7
Die Cutters and/or Clicking Machine Operators.....	170	1.00	24.73	17
Die Makers.....	40	.20	21.70	12
Die Mounters.....	70	.43	12.98	28
Electricians.....	60	.34	10.85	11
Envelope Machine Operators.....	330	1.90	30.79	9
Flexo-Folder-Gluer Operators....	120	.67	19.44	22
Folding Machine Operators, Paper	280	1.60	10.04	6
Fourdrinier Machine Tenders.....	40	.25	20.90	4
Fourth Hands and/or Fifth Hands, Paper Machine.....	90	.54	9.89	3
Helpers, Trades.....	140	.79	19.75	8
Industrial Truck Operators.....	470	2.73	5.67	54
Inspectors.....	120	.69	17.78	10
Instrument Mechanics.....	50	.29	0.00	3
Machine Setters, Paper Goods....	350	2.05	20.06	20
Machinists.....	30	.19	25.32	10
Maintenance Repairers, General Utility.....	130	.77	14.72	30
Mechanics, Automotive.....	30	.18	9.62	11
Mechanics, Maintenance.....	250	1.46	12.15	28
Millwrights.....	200	1.18	3.39	4
Mixers and/or Blenders, Chemicals and Chemical Products.....	60	.33	11.69	9
Oilers.....	30	.18	9.89	5
Order Fillers.....	50	.26	26.91	13
Panel Machine Operators, Patch Machine Operators, and/or Sealing Machine Operators.....	60	.36	35.73	4
Paper Reel Operators and/or Rewinder Operators.....	40	.24	24.79	5
Press Operators and/or Plate Printers.....	440	2.58	25.17	32

Table 17 (Continued) Paper and Allied Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Printer-Slotter Feeders.....	230	1.32	14.21	31
Printer-Slotter Operators.....	180	1.04	15.10	34
Production Packagers, Hand or Machine.....	770	4.51	22.09	33
Ruling Machine Operators.....	30	.17	43.31	3
Scrappers and/or Strippers, Hand or Machine.....	80	.45	30.02	11
Slitter-Creaser-Slotter Operators.....	60	.35	22.87	19
Stapling Machine Operators.....	130	.73	17.24	30
Stringing Machine Operators and/or Tape-Fastener Machine Operators.....	40	.25	6.05	3
Taping Machine Operators.....	160	.91	15.48	32
Testers.....	70	.39	4.15	6
Truck Drivers.....	420	2.46	7.51	65
Welders and Flamecutters.....	60	.36	1.54	3
Wrapping Machine Operators.....	40	.22	28.12	6
All Other Mechanics and Repairers.....	70	.38	na	na
All Other Skilled Craftsmen and Kindred Workers.....	430	2.50	na	na
All Other Operatives and Semi- skilled Workers.....	1,730	10.14	na	na
All Other Laborers and Unskilled Workers.....	1,630	9.55	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,650	9.57	na	na
Clerical Supervisors, Office or Plant.....	60	.35	11.82	13
Accounting Clerks.....	110	.63	14.06	39
Bookkeepers, Hand.....	70	.38	42.85	21
Bookkeeping and/or Billing Machine Operators.....	30	.17	34.34	14
Box Estimators, Paperboard Products.....	70	.41	24.68	28
General Clerks, Office.....	110	.62	19.19	33
Key punch Operators.....	30	.18	14.32	9
Order Clerks.....	110	.63	22.29	26
Payroll and/or Timekeeping Clerks.....	70	.38	15.50	34
Personnel Clerks.....	40	.23	7.32	15

Table 17 (Continued) Paper and Allied Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Production Clerks and/or Coordinators.....	100	.56	9.33	35
Secretaries.....	150	.90	10.40	57
Shipping and/or Receiving Clerks.	130	.73	13.94	52
Shipping Packers.....	220	1.28	18.37	16
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	60	.35	4.81	10
Switchboard Operator- Receptionists.....	60	.36	16.30	35
Typists.....	60	.36	15.93	22
All Other Clerical Workers.....	170	.97	na	na
SALES OCCUPATIONS, TOTAL.....	780	4.53	na	na
Sales Clerks.....	30	.15	24.82	8
Sales Representatives, Sales Agents, and/or Sales Associates.....	750	4.37	7.79	71

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	95
Sales Representatives, Sales Agents and/or Sales Associates.....	71
Supervisors, Nonworking.....	67
Truck Drivers.....	65
Secretaries.....	57

Table 18
SIC 265
Paperboard Containers and Boxes
Statewide

This group includes establishments primarily engaged in manufacturing folding and set-up paperboard boxes from purchased paperboard; corrugated and solid fiber boxes from purchased paperboard of fiber stock; sanitary food containers from special food board; and fiber cans, tubes, drums, and similar products from purchased materials.

Occupation	Estimated Empl.	% of Total Empl. 1/	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	7,660	100.00	na	na
MANAGERS AND OFFICERS.....	390	5.04	9.72	98
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	180	2.45	na	na
Accountants and Auditors.....	40	.54	14.82	36
Purchasing Agents and/or Buyers.....	30	.44	28.39	23
All Other Professional and Technical Workers.....	110	1.46	na	na
SERVICE OCCUPATIONS, TOTAL.....	80	1.07	na	na
Janitors, Porters, and Cleaners.....	70	.94	10.68	48
All Other Service Workers.....	2/			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	6,000	78.24	na	na
Supervisors, Nonworking.....	400	5.20	7.52	77
Baling Machine Operators.....	120	1.50	16.97	64
Carton-Forming Machine Operators	60	.76	22.55	25
Conveyor Operators or Tenders...	60	.81	26.55	18
Corrugator Knife Operators.....	60	.83	10.33	32
Corrugator Operators.....	130	1.72	12.21	39
Cutting and Creasing Press Operators.....	100	1.31	20.29	46
Die Cutters and/or Clicking Machine Operators.....	120	1.59	29.46	23

Table 18 (Continued) Paperboard Containers and Boxes, Statewide

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Die Makers.....	40	.45	21.70	21
Die Mounters.....	60	.80	15.24	45
Flexo-Folder-Gluer Operators....	110	1.43	14.85	38
Helpers, Trades.....	70	.94	36.81	9
Industrial Truck Operators.....	280	3.62	8.67	71
Inspectors.....	40	.50	26.59	9
Machine Setters, Paper Goods....	120	1.54	27.35	13
Maintenance Repairers, General Utility.....	100	1.24	15.65	38
Mechanics, Maintenance.....	150	1.99	18.05	34
Press Operators and/or Plate Printers.....	110	1.40	20.49	21
Production Packagers, Hand or Machine.....	430	5.60	29.84	30
Printer-Slotter Feeders.....	210	2.66	13.32	54
Printer-Slotter Operators.....	150	1.99	14.49	57
Scrappers and/or Strippers, Hand or Machine.....	80	1.00	30.02	20
Slitter-Creaser-Slotter Operators.....	60	.79	22.87	34
Slitting Machine Operators.....	60	.75	25.47	30
Stapling Machine Operators.....	80	1.09	19.64	45
Taping Machine Operators.....	160	2.04	15.48	57
Truck Drivers.....	360	4.61	6.15	84
All Other Mechanics and Repairers.....	30	.44	na	na
All Other Skilled Craftsmen and Kindred Workers.....	110	1.49	na	na
All Other Operatives and Semi- skilled Workers.....	980	12.74	na	na
All Other Laborers and Unskilled Workers.....	1,160	15.14	na	na
CLERICAL OCCUPATIONS, TOTAL.....	680	8.89	na	na
Accounting Clerks.....	60	.79	12.94	45
Box Estimators, Paperboard Products.....	70	.92	24.68	50
General Clerks, Office.....	60	.80	16.75	32
Order Clerks.....	50	.62	16.76	23
Payroll and/or Timekeeping Clerks.....	40	.50	14.03	38

Table 18 (Continued) Paperboard Containers and Boxes, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Production Clerks and/or Coordinators.....	50	.67	13.87	45
Secretaries.....	80	1.05	12.24	63
Shipping and/or Receiving Clerks	70	.85	16.69	55
Switchboard Operator- Receptionists.....	30	.44	21.81	39
All Other Office Clerical Workers.....	140	1.77	na	na
All Other Plant Clerical Workers	30	.42	na	na
SALES OCCUPATIONS, TOTAL.....	330	4.29	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	310	3.98	8.84	80
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	98
Truck Drivers.....	84
Sales Representatives, Sales Agents, and/or Sales Associates.....	80
Supervisors, Nonworking.....	77
Industrial Truck Operators.....	71

SIC 27
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

In Texas, this major industry group employed approximately 50,930 workers during the survey period of May 1977. In contrast to other manufacturing industries, the employment in this industry was almost equally distributed between blue-collar and white-collar occupations. The largest single occupation in Production and Maintenance was the Offset Lithographic Press Operators, which employed 3,890 workers.

The two major segments that make up the bulk of the total industry employment are Newspapers - Publishing or Publishing and Printing, and Commercial Printing. Combined, they represent 75 percent of the employment. Newspapers take the lead with 43 percent. The printing and publishing segment is very widely dispersed geographically with hundreds of small newspaper and commercial printing establishments located in small cities scattered throughout the State. The largest single concentration of employment is in the Dallas-Fort Worth area with 35 percent.

Occupational groups in this industry are expected to fluctuate at different rates. Lithographic Craft Workers, for example, are expected to increase because of the growing use of lithography. Conversely, lithography does not require photoengraving, therefore, employment of photoengravers is expected to decline. The trend toward computerization of typesetting operations will reduce the need for some machine operators in composing rooms, while creating a demand for more computer typesetters.

Average Annual Employment for Printing, Publishing,
and Allied Industries*

1975	46,400
1976	48,100
1977	50,700

*Source: Current Employment Statistics Program.

Table 19
SIC 27
Printing, Publishing, and Allied Industries
Statewide

This major group includes establishments engaged in printing by one or more of the common processes, such as letterpress, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. Excluded are news syndicates, and textile printing and finishing.

Occupation	Estimated Empl.	% of Total Empl. <u>1/</u>	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	50,930	100.00	na	na
MANAGERS AND OFFICERS.....	5,030	9.88	4.33	85
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	5,540	10.85	na	na
Accountants and Auditors.....	110	.20	30.82	7
Commercial Artists.....	610	1.19	33.81	11
Computer Programmers.....	50	.09	6.01	3
Designers.....	110	.21	48.96	1
Estimators, Printing Services...	80	.15	12.98	6
Photographers.....	290	.57	20.80	7
Purchasing Agents and/or Buyers.	90	.17	11.18	7
Reporters and Correspondents....	2,130	4.18	8.50	17
Systems Analysts, Electronic Data Processing.....	30	.06	4.39	2
Writers and/or Editors.....	1,770	3.46	11.03	27
All Other Professional Workers..	150	.29	na	na
All Other Technical Workers.....	120	.23	na	na
SERVICE OCCUPATIONS, TOTAL.....	840	1.65	na	na
Supervisors, Nonworking-Service.	30	.06	6.79	2
Guards and Doorkeepers.....	40	.07	3.31	1
Janitors, Porters, and Cleaners.	730	1.42	8.43	28
All Other Service Workers.....	40	.07	na	na
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	25,130	49.34	na	na
Supervisors, Nonworking.....	780	1.52	5.82	25
Artists.....	80	.15	9.86	3

Table 19 (Continued) Printing, Publishing, and Allied Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Bindery Workers, Assembly.....	1,290	2.52	10.85	21
Bindery Workers, Stitching.....	370	.72	9.47	11
Bookbinders, Hand.....	290	.57	16.61	7
Bookbinders, Machine.....	620	1.22	10.58	14
Camera Operators, Printing.....	990	1.94	5.77	44
Copy Cutters.....	90	.18	6.17	2
Copy Markers.....	180	.34	17.23	5
Cutters, Machine.....	180	.34	9.26	5
Delivery and Route Workers.....	1,070	2.10	7.60	33
Developers and/or Projection Printers.....	70	.13	16.30	3
Electricians.....	50	.10	11.82	2
Etchers and/or Engravers.....	80	.15	26.76	2
Flexographic Press Operators....	30	.06	49.10	1
Gravure Press Operators, Rotogravure.....	50	.08	34.90	1
Hand Compositors.....	690	1.34	23.39	14
Helpers, Trades.....	60	.10	5.68	1
Imposers and Makeup Arrangers...	810	1.58	13.50	14
Industrial Truck Operators.....	70	.13	15.71	3
Inspectors.....	260	.50	14.72	3
Letter Press Operators-Sheet, Roll, or Web Fed.....	1,570	3.08	8.32	30
Letterset Press Operators-Sheet, Roll, or Web Fed.....	110	.22	5.55	1
Linecasting Machine Keyboard Operators.....	380	.74	22.00	7
Linecasting Machine Operators...	490	.95	8.71	15
Linecasting Machine Tenders.....	330	.65	19.59	12
Machinists.....	60	.11	6.28	3
Mailers.....	1,110	2.17	10.07	16
Maintenance Repairers, General Utility.....	100	.20	12.74	4
Mechanics, Maintenance.....	100	.20	9.35	5
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	3,890	7.64	10.76	57
Order Fillers.....	30	.06	11.55	1
Pasteup Men.....	1,010	1.97	10.02	15
Photoengravers.....	300	.59	16.13	9
Photolettering Machine Operators	40	.07	32.26	2
Phototypesetter Operators.....	350	.69	20.33	9

Table 19 (Continued) Printing, Publishing, and Allied Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. 1/	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Phototypesetting Machine Keyboard Operators.....	390	.77	32.62	8
Phototypesetting Machine Monitors.....	80	.16	13.61	3
Platemakers.....	540	1.05	9.03	25
Press Assistants and Feeders....	940	1.84	10.12	19
Production Packagers, Hand or Machine.....	140	.28	10.35	3
Proofreaders, Composed Copy....	960	1.89	15.46	23
Screen or Stencil Printers and/or Setters.....	130	.25	28.74	2
Setters, Bindery Machines.....	270	.53	16.32	7
Steel Die Press Operators.....	50	.10	49.40	1
Stereotypers.....	50	.08	36.13	1
Strike-On Machine Operators....	40	.08	10.32	2
Strippers.....	830	1.62	6.02	23
Truck Drivers.....	320	.62	5.78	6
All Other Bindery Workers.....	880	1.72	na	na
All Other Skilled Craftsmen and Kindred Workers.....	250	.49	na	na
All Other Operatives and Semi-skilled Workers.....	700	1.38	na	na
All Other Laborers and Unskilled Workers.....	580	1.13	na	na
CLERICAL OCCUPATIONS, TOTAL.....	10,230	20.08	na	na
Clerical Supervisors, Office or Plant.....	190	.38	16.00	5
Accounting Clerks.....	550	1.07	17.27	22
Bookkeepers, Hand.....	930	1.81	8.93	36
Bookkeeping and Billing Machine Operators.....	50	.10	15.15	3
Cashiers.....	40	.06	8.34	3
Circulation Clerks.....	430	.84	13.60	8
Classified-Ad Clerks, Newspaper.	180	.35	15.26	5
Computer Operators.....	100	.20	17.54	5
Customer Service Representatives, Printing and Publishing	190	.37	8.07	5
File Clerks.....	130	.24	15.56	4
General Clerks, Office.....	1,780	3.50	7.68	44
Keypunch Operators.....	160	.30	8.63	5

Table 19 (Continued) Printing, Publishing, and Allied Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Messengers.....	150	.29	23.70	5
Order Clerks.....	360	.71	4.47	5
Payroll and/or Timekeeping Clerks.....	90	.16	13.60	6
Personnel Clerks.....	40	.08	9.96	3
Production Clerks and/or Coordinators.....	170	.33	5.71	6
Secretaries.....	1,260	2.48	10.04	45
Shipping and/or Receiving Clerks	690	1.34	7.53	27
Shipping Packers.....	150	.29	14.28	4
Stenographers.....	40	.07	14.79	1
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	100	.20	13.16	5
Switchboard Operator- Receptionists.....	140	.26	26.76	9
Telephone Ad-Takers, Newspaper..	510	1.00	17.84	6
Typists.....	800	1.57	17.45	23
All Other Office Machine Operators.....	260	.50	na	na
All Other Office Clerical Workers.....	630	1.24	na	na
All Other Plant Clerical Workers.....	110	.22	na	na
SALES OCCUPATIONS, TOTAL.....	4,160	8.18	na	na
Sales Clerks.....	60	.12	24.09	2
Sales Representatives, Sales Agents, and/or Sales Associates	3,990	7.84	5.47	51
All Other Sales Workers.....	110	.21	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	85
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	57
Sales Representatives, Sales Agents, and/or Sales Associates.....	51
Secretaries.....	45
Camera Operators, Printing.....	44
General Clerks, Office.....	44

Table 20
SIC 27
Printing, Publishing, and Allied Industries
Austin SMSA

This major group includes establishments engaged in printing by one or more of the common processes, such as letterpress, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. Excluded are news syndicates, and textile printing and finishing.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,180	100.00	na	na
MANAGERS AND OFFICERS.....	190	8.62	6.38	85
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	220	10.28	na	na
Reporters and Correspondents....	80	3.78	7.86	21
Writers and/or Editors.....	80	3.60	4.67	38
All Other Professional and Technical Workers.....	60	2.88	na	na
SERVICE OCCUPATIONS, TOTAL.....	50	2.15	na	na
Janitors, Porters, and Cleaners.	30	1.50	8.30	25
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	920	42.94	na	na
Bindery Workers, Assembly.....	30	1.45	13.94	25
Bindery Workers, Stitching.....	30	1.50	3.26	15
Bookbinders, Machine.....	40	2.00	13.49	23
Camera Operators, Printing.....	40	1.91	11.35	44
Delivery and Route Workers.....	60	2.50	5.77	33
Letter Press Operators-Sheet, Roll, or Web Fed.....	80	3.60	8.51	23

Table 20 (Continued) Printing, Publishing, and Allied Industries, Austin SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Linecasting Machine Operators...	50	2.37	22.59	17
Mailers.....	40	2.00	7.05	21
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	120	5.56	6.99	46
Pasteup Men.....	70	3.37	9.53	19
Press Assistants and Feeders....	30	1.45	6.04	17
Strippers.....	40	1.73	10.29	29
All Other Skilled Craftsmen and Kindred Workers.....	150	6.99	na	na
All Other Operatives and Semi- skilled Workers.....	110	5.21	na	na
All Other Laborers and Unskilled Workers.....	30	1.19	na	na
CLERICAL OCCUPATIONS, TOTAL.....	650	29.19	na	na
Bookkeepers, Hand.....	30	1.45	13.91	38
General Clerks, Office.....	40	1.77	16.27	31
Order Clerks.....	160	7.11	0.00	8
Secretaries.....	60	2.60	8.41	54
Shipping and/or Receiving Clerks	40	1.87	8.22	38
All Other Office Clerical Workers.....	280	12.75	na	na
All Other Plant Clerical Workers	40	1.60	na	na
SALES OCCUPATIONS, TOTAL.....	150	6.81	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	130	6.06	7.39	44
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 20 (Continued) Printing, Publishing, and Allied Industries, Austin SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	85
Secretaries.....	54
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	46
Camera Operators, Printing.....	44
Sales Representatives, Sales Agents, and/or Sales Associates.....	44

Table 21
SIC 27
Printing, Publishing, and Allied Industries
Dallas-Fort Worth SMSA

This major group includes establishments engaged in printing by one or more of the common processes, such as letterpress, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. Excluded are news syndicates, and textile printing and finishing.

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	17,940	100.00	na	na
MANAGERS AND OFFICERS.....	1,460	8.13	5.82	87
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,260	6.96	na	na
Accountants and Auditors.....	40	.23	12.92	7
Commercial Artists.....	170	.93	13.56	12
Computer Programmers.....	30	.17	3.80	3
Estimators, Printing Services...	40	.19	25.08	9
Photographers.....	60	.33	13.68	3
Purchasing Agents and/or Buyers.	40	.23	20.85	9
Reporters and Correspondents....	370	2.05	22.50	11
Writers and/or Editors.....	350	1.94	11.73	25
All Other Professional Workers..	130	.71	na	na
All Other Technical Workers.....	30	.15	na	na
SERVICE OCCUPATIONS, TOTAL.....	250	1.40	na	na
Janitors, Porters, and Cleaners.	210	1.15	8.22	31
All Other Service Workers.....	40	.25	na	na
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	9,820	54.90	na	na
Supervisors, Nonworking.....	350	1.92	7.49	33
Artists.....	40	.24	12.83	3

Table 21 (Continued) Printing, Publishing, and Allied Industries, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Bindery Workers, Assembly.....	630	3.52	20.36	24
Bindery Workers, Stitching.....	180	.99	13.57	15
Bookbinders, Hand.....	80	.41	23.32	7
Bookbinders, Machine.....	250	1.38	13.12	16
Camera Operators, Printing.....	340	1.89	7.36	46
Copy Cutters.....	40	.24	0.00	1
Copy Markers.....	80	.44	2.20	2
Cutters, Machine.....	100	.56	14.09	7
Delivery and Route Workers.....	350	1.96	9.25	34
Developers and/or Projection Printers.....	40	.20	21.13	4
Electricians.....	40	.21	14.45	3
Etchers and/or Engravers.....	40	.24	46.76	2
Hand Compositors.....	140	.79	15.49	16
Imposers and Makeup Arrangers...	250	1.37	15.11	15
Inspectors.....	150	.85	17.04	5
Letter Press Operators-Sheet, Roll, or Web Fed.....	580	3.21	13.28	31
Letterset Press Operators-Sheet, Roll, or Web Fed.....	90	.49	.89	1
Linecasting Machine Keyboard Operators.....	130	.74	13.05	8
Linecasting Machine Operators...	140	.78	17.95	15
Linecasting Machine Tenders.....	90	.49	14.91	12
Machinists.....	40	.23	8.55	4
Mailers.....	500	2.77	19.37	17
Maintenance Repairers, General Utility.....	70	.41	16.70	6
Mechanics, Maintenance.....	40	.23	11.63	5
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	1,460	8.12	7.68	56
Pasteup Men.....	310	1.73	8.53	13
Photoengravers.....	130	.74	28.09	11
Phototypesetter Operators.....	70	.37	27.21	4
Phototypesetting Machine Keyboard Operators.....	110	.63	21.88	7
Phototypesetting Machine Monitors.....	30	.17	32.24	4
Platemakers.....	230	1.26	10.92	32
Press Assistants and Feeders....	400	2.25	18.43	22

Table 21 (Continued) Printing, Publishing, and Allied Industries, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Proofreaders, Composed Copy.....	270	1.47	8.78	24
Screen or Stencil Printers and/or Setters.....	70	.38	48.66	3
Setters, Bindery Machines.....	200	1.13	21.23	12
Strippers.....	420	2.32	8.72	32
Truck Drivers.....	80	.45	20.82	4
All Other Bindery Workers.....	410	2.30	na	na
All Other Skilled Craftsmen and Kindred Workers.....	210	1.17	na	na
All Other Operatives and Semi- skilled Workers.....	340	1.92	na	na
All Other Laborers and Unskilled Workers.....	300	1.68	na	na
CLERICAL OCCUPATIONS, TOTAL.....	3,970	22.01	na	na
Clerical Supervisors, Office or Plant.....	80	.42	5.34	6
Accounting Clerks.....	200	1.09	7.94	25
Bookkeepers, Hand.....	250	1.40	11.51	41
Circulation Clerks.....	190	1.03	12.75	4
Classified-Ad Clerks, Newspaper.	70	.38	25.55	2
Computer Operators.....	30	.17	9.13	4
Customer Service Representatives, Printing and Publishing.....	90	.50	7.55	8
File Clerks.....	60	.31	21.08	4
General Clerks, Office.....	630	3.49	6.66	47
Keypunch Operators.....	70	.38	5.06	4
Messengers.....	50	.29	34.03	5
Order Clerks.....	100	.55	6.06	6
Payroll and/or Timekeeping Clerks.....	50	.26	23.21	8
Production Clerks and/or Coordinators.....	110	.60	5.37	7
Secretaries.....	420	2.32	6.15	45
Shipping and/or Receiving Clerks	400	2.21	12.33	40
Shipping Packers.....	50	.27	17.61	5
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	50	.28	20.26	7
Switchboard Operator- Receptionists.....	60	.31	18.06	11

Table 21 (Continued) Printing, Publishing, and Allied Industries, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Telephone Ad-Takers, Newspaper..	210	1.16	12.11	3
Typists.....	240	1.32	11.44	30
All Other Office Machine Operators.....	90	.51	na	na
All Other Office Clerical Workers.....	440	2.48	na	na
All Other Plant Clerical Workers	30	.15	na	na
SALES OCCUPATIONS, TOTAL.....	1,180	6.58	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	1,150	6.40	8.26	56
All Other Sales Workers.....	30	.17	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	87
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	56
Sales Representatives, Sales Agents, and/or Sales Associates.....	56
General Clerks, Office.....	47
Camera Operators, Printing.....	46

Table 22
SIC 27
Printing, Publishing, and Allied Industries
San Antonio SMSA

This major group includes establishments engaged in printing by one or more of the common processes, such as letterpress, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. Excluded are news syndicates, and textile printing and finishing.

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,340	100.00	na	na
MANAGERS AND OFFICERS.....	280	8.32	7.66	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	340	9.71	na	na
Commercial Artists.....	50	1.34	13.39	12
Reporters and Correspondents....	140	4.13	7.61	12
Writers and/or Editors.....	100	2.84	7.01	24
All Other Professional and Technical Workers.....	50	1.35	na	na
SERVICE OCCUPATIONS.....	40	1.14	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,710	51.43	na	na
Supervisors, Nonworking.....	50	1.55	12.25	19
Bindery Workers, Assembly.....	100	2.93	11.46	24
Camera Operators, Printing.....	70	2.12	15.88	41
Delivery and Route Workers.....	60	1.88	12.81	34
Hand Compositors.....	40	1.13	24.77	20
Imposers and Makeup Arrangers...	40	1.25	28.46	10
Letter Press Operators-Sheet, Roll, or Web Fed.....	160	4.88	8.63	34
Linecasting Machine Operators...	30	.89	20.45	20
Mailers.....	40	1.31	20.80	12

Table 22 (Continued) Printing, Publishing, and Allied Industries, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Offset Lithographic Press				
Operators-Sheet, Roll, or Web				
Fed.....	250	7.45	6.92	56
Pasteup Men.....	80	2.42	6.06	12
Photengravers.....	30	.95	19.92	7
Phototypesetting Machine				
Keyboard Operators.....	30	.92	37.07	5
Platemakers.....	40	1.10	21.86	19
Production Packagers, Hand or				
Machine.....	50	1.34	.22	8
Proofreaders, Composed Copy.....	40	1.13	14.69	20
Strippers.....	50	1.37	17.81	19
Truck Drivers.....	70	2.21	1.54	8
All Other Bindery Workers.....	130	4.03	na	na
All Other Skilled Craftsmen and				
Kindred Workers.....	110	3.16	na	na
All Other Operatives and Semi-				
skilled Workers.....	200	5.92	na	na
All Other Laborers and Unskilled				
Workers.....	40	1.20	na	na
CLERICAL OCCUPATIONS, TOTAL.....	590	17.83	na	na
General Clerks, Office.....	90	2.60	7.17	36
Secretaries.....	90	2.75	17.68	42
Shipping and/or Receiving Clerks	40	1.22	9.34	20
Typists.....	30	.95	23.75	17
All Other Clerical Workers.....	340	10.26	na	na
SALES OCCUPATIONS, TOTAL.....	380	11.52	na	na
Sales Representatives, Sales				
Agents, and/or Sales				
Associates.....	370	10.93	4.23	47
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 22 (Continued) Printing, Publishing, and Allied Industries, San Antonio SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	83
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	56
Sales Representatives, Sales Agents, and/or Sales Associates.....	47
Secretaries.....	42
Camera Operators, Printing.....	41

Table 23
SIC 271
Newspapers: Publishing, Publishing and Printing
Statewide

This group includes establishments primarily engaged in publishing newspapers, or in publishing and printing newspapers. These establishments carry on the various operations necessary for issuing newspapers, including the gathering of news and the preparation of editorials and advertisements, but may or may not perform their own printing.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	21,920	100.00	na	na
MANAGERS AND OFFICERS.....	2,110	9.63	9.53	88
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	4,310	19.67	na	na
Photographers.....	280	1.29	21.52	37
Reporters and Correspondents....	2,010	9.15	8.99	72
Writers and/or Editors.....	1,460	6.66	13.21	87
All Other Professional and Technical Workers.....	560	2.55	na	na
SERVICE OCCUPATIONS, TOTAL.....	450	2.05	na	na
Guards and Doorkeepers.....	30	.14	4.16	5
Janitors, Porters, and Cleaners.	370	1.69	15.56	47
All Other Service Workers.....	50	.21	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	7,890	35.98	na	na
Supervisors, Nonworking.....	220	1.01	14.78	35
Bindery Workers, Assembly.....	70	.30	28.34	3
Camera Operators, Printing.....	200	.89	23.20	46
Copy Cutters.....	30	.15	9.98	7
Copy Markers.....	90	.41	32.59	20
Delivery and Route Workers.....	480	2.18	15.24	41
Imposers and Makeup Arrangers...	600	2.72	17.73	35
Letter Press Operators-Sheet, Roll, or Web Fed.....	410	1.87	9.80	19

Table 23 (Continued) Newspapers: Publishing, Publishing and Printing, Statewide

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Letterset Press Operators-Sheet, Roll, or Web Fed.....	100	.46	3.20	3
Linecasting Machine Keyboard Operators.....	240	1.11	32.89	17
Linecasting Machine Operators...	90	.39	22.50	9
Linecasting Machine Tenders.....	220	.98	29.64	28
Mailers.....	830	3.79	7.68	47
Maintenance Repairers, General Utility.....	50	.22	17.07	8
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	820	3.73	48.71	47
Pasteup Men.....	740	3.37	13.31	41
Photoengravers.....	70	.29	23.58	10
Phototypesetter Operators.....	240	1.07	29.65	22
Phototypesetting Machine Keyboard Operators.....	280	1.28	44.81	28
Phototypesetting Machine Monitors.....	60	.26	15.52	15
Platemakers.....	100	.46	31.77	25
Press Assistants and Feeders....	100	.45	36.31	16
Production Packagers, Hand or Machine.....	60	.26	13.49	5
Proofreaders, Composed Copy.....	490	2.25	29.09	47
Truck Drivers.....	230	1.05	5.41	13
All Other Skilled Craftsmen and Kindred Workers.....	490	2.25	na	na
All Other Operatives and Semi-skilled Workers.....	260	1.21	na	na
All Other Laborers and Unskilled Workers.....	320	1.45	na	na
CLERICAL OCCUPATIONS, TOTAL.....	4,790	21.83	na	na
Clerical Supervisors, Office or Plant.....	130	.57	24.01	11
Accounting Clerks.....	260	1.20	34.86	41
Bookkeepers, Hand.....	510	2.30	15.67	54
Bookkeeping and Billing Machine Operators.....	30	.14	11.20	15
Cashiers.....	30	.15	8.59	16

Table 23 (Continued) Newspapers: Publishing, Publishing and Printing, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Circulation Clerks.....	400	1.81	14.66	36
Classified-Ad Clerks, Newspaper.	170	.79	15.74	26
Computer Operators.....	30	.15	46.52	11
Customer Service Representa- tives, Printing and Publishing	60	.25	3.75	7
File Clerks.....	70	.33	26.44	8
General Clerks, Office.....	630	2.86	18.88	44
Key punch Operators.....	40	.19	18.57	9
Messengers.....	110	.51	31.08	19
Order Clerks.....	190	.85	1.38	9
Payroll and/or Timekeeping Clerks.....	30	.13	10.90	16
Production Clerks and/or Coordinators.....	40	.16	6.67	7
Secretaries.....	540	2.47	22.62	55
Switchboard Operator- Receptionists.....	80	.35	46.40	22
Telephone Ad-Takers, Newspaper..	500	2.28	18.29	29
Typists.....	390	1.76	34.85	34
All Other Office Machine Operators.....	150	.69	na	na
All Other Office Clerical Workers.....	280	1.27	na	na
All Other Plant Clerical Workers	120	.53	na	na
SALES OCCUPATIONS, TOTAL.....	2,370	10.83	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	2,270	10.38	8.28	82
All Other Sales Workers.....	100	.44	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	88
Writers and/or Editors.....	87
Sales Representatives, Sales Agents, and/or Sales Associates.....	82
Reporters and Correspondents.....	72
Secretaries.....	55

Table 24
SIC 275
Commercial Printing
Statewide

This group includes establishments primarily engaged in commercial printing--letterpress, screen, gravure, or lithographic process. Also included are establishments engaged in engraving and etching steel, copper, wood, or rubber plates. These plates are used in printing stationery, cards, maps, illustrations, posters, etc.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	16,530	100.00	na	na
MANAGERS AND OFFICERS.....	1,780	10.78	4.26	81
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	360	2.17	na	na
Accountants and Auditors.....	30	.18	19.74	3
Commercial Artists.....	140	.83	21.78	8
Estimators, Printing Services...	50	.30	19.12	7
Purchasing Agents and/or Buyers.	50	.29	19.21	6
All Other Professional and Technical Workers.....	90	.55	na	na
SERVICE OCCUPATIONS, TOTAL.....	220	1.35	na	na
Janitors, Porters, and Cleaners.	210	1.28	8.64	22
All Other Service Workers.....	2/			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	10,810	65.40	na	na
Supervisors, Nonworking.....	340	2.03	8.83	26
Bindery Workers, Assembly.....	750	4.52	17.89	31
Bindery Workers, Stitching.....	170	1.01	13.52	13
Bookbinders, Hand.....	160	.96	15.29	8
Bookbinders, Machine.....	270	1.62	12.84	18
Camera Operators, Printing.....	530	3.22	5.98	50
Cutters, Machine.....	60	.36	25.87	5
Delivery and Route Workers.....	420	2.52	8.23	38
Etchers and/or Engravers.....	70	.43	29.34	2
Flexographic Press Operators....	30	.19	49.10	1

Table 24 (Continued) Commercial Printing, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Hand Compositors.....	280	1.70	9.99	13
Imposers and Makeup Arrangers...	130	.81	18.96	11
Inspectors.....	100	.62	36.27	3
Letter Press Operators-Sheet, Roll, or Web Fed.....	980	5.93	12.07	46
Linecasting Machine Keyboard Operators.....	40	.26	36.30	3
Linecasting Machine Operators...	280	1.66	12.00	18
Linecasting Machine Tenders.....	60	.36	20.34	8
Mailers.....	190	1.15	47.26	6
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	2,380	14.40	5.31	79
Pasteup Men.....	90	.55	19.03	7
Photoengravers.....	140	.85	31.33	7
Phototypesetter Operators.....	90	.52	18.43	6
Phototypesetting Machine Key- board Operators.....	40	.21	45.60	2
Platemakers.....	310	1.87	10.19	28
Press Assistants and Feeders....	650	3.93	13.45	25
Production Packagers, Hand or Machine.....	40	.23	26.11	2
Proofreaders, Composed Copy.....	180	1.08	11.08	12
Screen or Stencil Printers and/or Setters.....	110	.66	33.38	4
Setters, Bindery Machines.....	120	.69	23.59	10
Strippers.....	450	2.72	9.31	31
Truck Drivers.....	40	.26	27.59	3
All Other Bindery Workers.....	560	3.35	na	na
All Other Skilled Craftsmen and Kindred Workers.....	270	1.63	na	na
All Other Operatives and Semi- skilled Workers.....	300	1.83	na	na
All Other Laborers and Unskilled Workers.....	180	1.11	na	na
CLERICAL OCCUPATIONS, TOTAL.....	2,420	14.60	na	na
Accounting Clerks.....	150	.91	11.80	15
Bookkeepers, Hand.....	290	1.73	7.29	34
Customer Service Representa- tives, Printing and Publishing	50	.27	19.92	3

Table 24 (Continued) Commercial Printing, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
General Clerks, Office.....	550	3.33	7.25	41
Order Clerks.....	30	.19	31.12	2
Payroll and/or Timekeeping Clerks.....	30	.19	34.99	3
Production Clerks and/or Coordinators.....	40	.24	21.77	3
Secretaries.....	360	2.16	7.76	36
Shipping and/or Receiving Clerks	450	2.73	11.03	31
Shipping Packers.....	70	.40	26.37	4
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	50	.27	28.76	3
Typists.....	140	.85	13.10	15
All Other Clerical Workers.....	210	1.27	na	na
SALES OCCUPATIONS, TOTAL.....	940	5.70	na	na
Sales Clerks.....	50	.27	32.45	2
Sales Representatives, Sales Agents, and/or Sales Associates.....	890	5.40	9.48	43

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	81
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	79
Camera Operators, Printing.....	50
Letter Press Operators-Sheet, Roll, or Web Fed.....	46
Sales Representatives, Sales Agents, and/or Sales Associates.....	43

Table 25
SIC 276
Manifold Business Forms
Statewide

This group includes establishments primarily engaged in designing and printing, by any process, special forms for use in the operation of a business, in single and multiple sets, including carbonized or interleaved with carbon, or otherwise processed for multiple reproduction.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,440	100.00	na	na
MANAGERS AND OFFICERS.....	280	8.19	4.26	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	100	2.89	na	na
SERVICE OCCUPATIONS, TOTAL.....	50	1.52	na	na
Janitors, Porters, and Cleaners.	40	1.19	7.63	44
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,000	58.23	na	na
Supervisors, Nonworking.....	80	2.26	4.82	52
Bindery Workers, Assembly.....	170	4.90	9.79	41
Bookbinders, Machine.....	80	2.38	14.18	30
Camera Operators, Printing.....	30	.98	14.24	56
Industrial Truck Operators.....	30	.87	9.64	22
Letter Press Operators-Sheet, Roll, or Web Fed.....	60	1.65	34.29	41
Mechanics, Maintenance.....	30	.92	4.05	22
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	470	13.62	3.71	85
Pasteup Men.....	60	1.62	14.84	30
Platemakers.....	40	1.07	12.37	63
Press Assistants and Feeders....	100	2.81	5.94	37
Production Packagers, Hand or Machine.....	40	1.13	19.04	22

Table 25 (Continued) Manifold Business Forms, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Strippers.....	50	1.42	9.99	56
All Other Bindery Workers.....	150	4.40	na	na
All Other Skilled Craftsmen and Kindred Workers.....	170	4.96	na	na
All Other Operatives and Semi- skilled Workers.....	330	9.68	na	na
All Other Laborers and Unskilled Workers.....	110	3.33	na	na
CLERICAL OCCUPATIONS, TOTAL.....	850	24.50	na	na
Accounting Clerks.....	50	1.42	10.40	44
Customer Service Representa- tives, Printing and Publishing	50	1.30	25.71	22
General Clerks, Office.....	90	2.67	9.72	59
Key punch Operators.....	40	1.19	0.00	22
Order Clerks.....	80	2.41	1.44	26
Production Clerks and/or Coordinators.....	40	1.19	6.00	33
Secretaries.....	70	2.00	7.40	63
Shipping and/or Receiving Clerks	60	1.74	7.84	59
All Other Office Machine Operators.....	60	1.75	na	na
All Other Office Clerical Workers.....	230	6.56	na	na
All Other Plant Clerical Workers	80	2.19	na	na
SALES OCCUPATIONS, TOTAL.....	160	4.58	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	160	4.58	9.88	59

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 25 (Continued) Manifold Business Forms, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Offset Lithographic Press Operators-Sheet, Roll, or Web Fed.....	85
Platemakers.....	63
Secretaries.....	63
General Clerks, Office.....	59
Sales Representatives, Sales Agents, and/or Sales Associates.....	59
Shipping and/or Receiving Clerks.....	59

SIC 28 CHEMICALS AND ALLIED PRODUCTS

The Chemical Industry in Texas contributed more to the State's economy than any other class of manufacturing. Texas' long-time position as the Nation's leading oil and gas producing state is largely responsible for the importance of chemical production, for more than two-thirds of the output of the industry is of petroleum based compounds or petrochemicals.

The Industrial Organic Chemicals segment is the largest contributor of employment with 33,530. This represents 45 percent of the total Chemical Industry employment of 74,600 as of June 1977. Industrial Organic Chemicals (mainly petroleum based) are generally not considered consumer goods--they are products that undergo further processing before their ultimate use. Paints, Drugs, and Miscellaneous Chemical Products are also turned out in large volume by the Texas Chemical Industry.

Most of the largest plants producing bulk chemicals are located in the port areas along the Gulf Coast--Houston, Galveston, Beaumont, and Corpus Christi--where economic shipping is available.

The blue-collar Maintenance and Production occupational category claimed the largest proportion of this industry's employment in 1977. In Organic Chemicals, Chemical Operations represent the largest group.

A high percentage of the employment in the Chemical Industry is in firms that manufacture organic materials for textiles, consequently, supply and demand factors on raw materials will have a definite impact on the Chemical Industry's employment over the next decade.

Annual Average Employment for Chemicals and Allied Products*

1975	68,100
1976	71,700
1977	73,600

*Source: Current Employment Statistics Program.

Table 26
SIC 28
Chemicals and Allied Products
Dallas-Fort Worth SMSA

This major group includes establishments producing basic chemicals, and establishments manufacturing products by predominantly chemical processes. Establishments classified in this major group manufacture three general classes of products: (1) basic chemicals such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture such as synthetic fibers, plastics materials, dry colors, and pigments; (3) finished chemical products to be used for ultimate consumption such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries such as paints, fertilizers, and explosives.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	8,910	100.00	na	na
MANAGERS AND OFFICERS.....	1,120	12.61	2.35	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	930	10.49	na	na
Accountants and Auditors.....	90	.97	9.28	35
Biological Science Technicians..	40	.44	25.50	10
Biological Scientists.....	50	.50	27.73	4
Chemical Engineers.....	30	.34	15.03	16
Chemists.....	240	2.64	9.81	48
Computer Programmers.....	40	.49	2.35	10
Purchasing Agents and/or Buyers.	40	.49	8.82	24
All Other Engineers.....	30	.35	na	na
All Other Science Technicians...	120	1.39	na	na
All Other Professional Workers..	150	1.67	na	na
All Other Technical Workers.....	100	1.17	na	na
SERVICE OCCUPATIONS, TOTAL.....	190	2.11	na	na
Janitors, Porters, and Cleaners.	140	1.53	6.78	31
All Other Service Workers.....	50	.57	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	3,780	42.40	na	na
Supervisors, Nonworking.....	250	2.76	5.64	45
Chemical Operators-A.....	50	.58	30.51	11
Chemical Operators-B.....	50	.50	28.86	7

Table 26 (Continued) Chemicals and Allied Products, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Grinder Operators-Chemicals, Plastics, Rubber, and Related Materials.....	50	.60	43.80	12
Industrial Truck Operators.....	160	1.82	6.16	27
Inspectors.....	70	.83	9.21	14
Machinists.....	50	.57	19.38	12
Maintenance Repairers, General Utility.....	60	.69	16.07	22
Mechanics, Maintenance.....	90	.99	13.24	19
Mixers and/or Blenders, Chemicals and Chemical Products.....	550	6.12	7.93	70
Order Fillers.....	170	1.94	5.96	24
Production Packagers, Hand or Machine.....	960	10.71	5.44	49
Tinters.....	80	.87	9.50	17
Truck Drivers.....	150	1.69	12.77	43
All Other Skilled Craftsmen and Kindred Workers.....	140	1.56	na	na
All Other Operatives and Semi-skilled Workers.....	420	4.75	na	na
All Other Laborers and Unskilled Workers.....	480	5.35	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,950	21.82	na	na
Clerical Supervisors, Office or Plant.....	40	.46	14.67	13
Accounting Clerks.....	230	2.54	9.97	47
Bookkeepers, Hand.....	30	.34	20.30	18
General Clerks, Office.....	280	3.09	15.70	40
Keypunch Operators.....	60	.68	12.76	14
Order Clerks.....	130	1.43	14.95	40
Secretaries.....	440	4.89	6.09	67
Shipping and/or Receiving Clerks	150	1.70	15.75	45
Shipping Packers.....	110	1.24	6.95	35
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	60	.71	19.62	16
Switchboard Operator-Receptionists.....	30	.33	7.49	19
Typists.....	110	1.18	6.08	34
All Other Office Machine Operators.....	40	.46	na	na
All Other Clerical Workers.....	240	2.69	na	na

Table 26 (Continued) Chemicals and Allied Products, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	940	10.57	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	930	10.43	6.57	64
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Mixers and/or Blenders, Chemicals and Chemical Products.....	70
Secretaries.....	67
Sales Representatives, Sales Agents, and/or Sales Associates.....	64
Production Packagers, Hand or Machine.....	49

Table 27
SIC 28
Chemicals and Allied Products
Corpus Christi SMSA

This major group includes establishments producing basic chemicals, and establishments manufacturing products by predominantly chemical processes. Establishments classified in this major group manufacture three general classes of products: (1) basic chemicals such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture such as synthetic fibers, plastics materials, dry colors, and pigments; (3) finished chemical products to be used for ultimate consumption such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries such as paints, fertilizers, and explosives.

Occupation	Estimated Empl.	% of Total Empl. <u>1</u> /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,490	100.00	na	na
MANAGERS AND OFFICERS.....	250	7.20	0.00	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	500	14.11	na	na
Chemical Engineers.....	110	3.21	0.00	63
Chemists.....	70	2.03	0.00	75
Mechanical Engineers.....	60	1.57	0.00	63
All Other Engineers.....	50	1.41	na	na
All Other Professional and Technical Workers.....	210	5.88	na	na
SERVICE OCCUPATIONS.....	40	1.03	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,460	70.61	na	na
Supervisors, Nonworking.....	310	8.87	0.00	75
Chemical Operators-A.....	380	10.88	0.00	50
Electricians.....	50	1.49	0.00	38
Grinder Operators-Chemicals, Plastics, Rubber, and Related Materials.....	50	1.43	0.00	38
Instrument Mechanics.....	60	1.57	0.00	38
Machinists.....	80	2.23	0.00	38

Table 27 (Continued) Chemicals and Allied Products, Corpus Christi SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Maintenance Repairers, General				
Utility.....	30	.97	0.00	50
Mechanics, Maintenance.....	210	6.14	0.00	38
Plumbers and/or Pipefitters.....	70	2.06	0.00	38
Testers.....	50	1.40	0.00	38
Welders and Flamecutters.....	70	2.06	0.00	38
All Other Skilled Craftsmen and Kindred Workers.....	250	7.08	na	na
All Other Operatives and Semi-skilled Workers.....	560	16.03	na	na
All Other Laborers and Unskilled Workers.....	290	8.37	na	na
CLERICAL OCCUPATIONS, TOTAL.....	230	6.68	na	na
Secretaries.....	80	2.38	0.00	75
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	30	.86	0.00	63
All Other Clerical Workers.....	120	3.44	na	na
SALES OCCUPATIONS.....	^{2/}			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Chemists.....	75
Secretaries.....	75
Supervisors, Nonworking.....	75

Table 28
SIC 283
Drugs
Statewide

This group includes establishments primarily engaged in manufacturing, fabricating, or processing medicinal chemicals and pharmaceutical products. Also included in this group are establishments primarily engaged in the grading, grinding, and milling of botanicals.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,920	100.00	na	na
MANAGERS AND OFFICERS.....	470	12.04	7.67	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	680	17.37	na	na
Accountants and Auditors.....	30	.81	3.27	29
Biological Scientists.....	70	1.65	23.72	38
Chemical Engineers.....	70	1.65	7.01	19
Chemists.....	120	3.11	17.68	57
All Other Engineers.....	30	.84	na	na
All Other Professional and Technical Workers.....	360	9.27	na	na
SERVICE OCCUPATIONS, TOTAL.....	90	2.30	na	na
Janitors, Porters, and Cleaners.	60	1.63	27.42	48
All Other Service Workers.....	30	.66	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,900	48.56	na	na
Supervisors, Nonworking.....	210	5.25	18.67	48
Chemical Operators-A.....	270	6.94	12.30	14
Mixers and/or Blenders, Chemicals and Chemical Products.....	60	1.45	42.34	48
Production Packagers, Hand or Machine	510	13.09	12.53	76

Table 28 (Continued) Drugs, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	350	8.91	na	na
All Other Operatives and Semi-skilled Workers.....	250	6.49	na	na
All Other Laborers and Unskilled Workers.....	250	6.39	na	na
CLERICAL OCCUPATIONS, TOTAL.....	650	16.45	na	na
Accounting Clerks.....	60	1.58	22.05	48
General Clerks, Office.....	110	2.73	21.07	38
Secretaries.....	180	4.64	13.66	57
Shipping and/or Receiving Clerks	50	1.35	31.52	43
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	40	.96	4.60	19
All Other Office Clerical Workers.....	160	4.01	na	na
All Other Plant Clerical Workers	50	1.15	na	na
SALES OCCUPATIONS, TOTAL.....	130	3.26	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	130	3.26	31.29	33

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Production Packagers, Hand or Machine.....	76
Chemists.....	57
Secretaries.....	57

Table 29
SIC 285
Paints, Varnishes, Lacquers, Enamels, and Allied Products
Statewide

This group includes establishments primarily engaged in manufacturing paints (in paste and ready mixed form); varnishes; lacquers; enamels and shellac; putties, wood fillers and sealers; paint and varnish removers; paint brush cleaners; and allied paint products.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,840	100.00	na	na
MANAGERS AND OFFICERS.....	280	7.18	4.64	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	250	6.50	na	na
Accountants and Auditors.....	40	.98	14.20	45
Chemists.....	110	2.91	9.92	64
All Other Professional and Technical Workers.....	100	2.60	na	na
SERVICE OCCUPATIONS, TOTAL.....	70	1.69	na	na
Janitors, Porters, and Cleaners.	50	1.40	18.31	39
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,000	52.26	na	na
Supervisors, Nonworking.....	140	3.59	10.32	59
Grinder Operators-Chemicals, Plastics, Rubber, and Related Materials.....	50	1.27	23.90	23
Industrial Truck Operators.....	110	2.86	17.59	32
Maintenance Repairers, General Utility.....	40	1.14	21.90	30
Mixers and/or Blenders, Chemicals and Chemical Products.....	330	8.59	7.69	89

Table 29 (Continued) Paints, Varnishes, Lacquers, Enamels, and Allied Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Order Fillers.....	170	4.50	16.13	36
Production Packagers, Hand or Machine.....	260	6.87	7.10	61
Tinters.....	120	3.12	6.82	73
Truck Drivers.....	90	2.21	17.27	50
All Other Skilled Craftsmen and Kindred Workers.....	200	5.28	na	na
All Other Operatives and Semi- skilled Workers.....	270	7.07	na	na
All Other Laborers and Unskilled Workers.....	220	5.80	na	na
CLERICAL OCCUPATIONS, TOTAL.....	730	19.31	na	na
Accounting Clerks.....	70	1.74	13.10	48
Bookkeepers, Hand.....	30	.83	18.55	27
General Clerks, Office.....	90	2.39	10.95	48
Key punch Operators.....	30	.83	9.48	20
Order Clerks.....	60	1.51	13.92	48
Secretaries.....	60	1.61	13.83	57
Shipping and/or Receiving Clerks	90	2.44	6.66	68
Shipping Packers.....	80	2.03	19.97	55
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	30	.88	20.38	20
All Other Office Clerical Workers.....	140	3.69	na	na
All Other Plant Clerical Workers	50	1.35	na	na
SALES OCCUPATIONS, TOTAL.....	510	13.07	na	na
Sales Clerks.....	80	2.00	40.51	20
Sales Representatives, Sales Agents, and/or Sales Associates.....	430	11.09	9.71	75

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 29 (Continued) Paints, Varnishes, Lacquers, Enamels, and Allied Products, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Mixers and/or Blenders, Chemicals and Chemical Products.....	89
Sales Representatives, Sales Agents, and/or Sales Associates.....	75
Tinters.....	73
Shipping and/or Receiving Clerks.....	68

Table 30
SIC 286
Industrial Organic Chemicals
Statewide

This group includes establishments primarily engaged in manufacturing industrial organic chemicals. Important products in this group include: non-cyclic organic chemicals; solvents; polyhydric alcohols; synthetic perfume and flavoring materials; rubber processing chemicals; cyclic and acyclic plasticizers; synthetic tanning agents; chemical warfare gases; esters, amines, etc. of polyhydric alcohols and fatty and other acids; cyclic crudes and intermediates; cyclic dyes and organic pigments; and natural gum and wood chemicals.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	33,530	100.00	na	na
MANAGERS AND OFFICERS.....	2,200	6.56	7.06	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	5,480	16.36	na	na
Accountants and Auditors.....	180	.52	11.77	65
Chemical Engineers.....	1,290	3.85	9.00	80
Chemists.....	570	1.70	9.11	85
Civil Engineers.....	40	.11	19.50	28
Computer Programmers.....	60	.16	18.97	33
Drafters.....	110	.31	11.84	43
Electrical and Electronic Engineers.....	190	.55	10.95	50
Electrical and Electronic Technicians.....	80	.23	10.73	23
Industrial Engineers.....	60	.19	22.19	18
Mechanical Engineers.....	620	1.86	12.13	63
Nurses, Professional.....	40	.11	11.18	33
Personnel and Labor Relations Specialists.....	140	.40	10.00	60
Physical Science Technicians....	310	.93	12.24	15
Purchasing Agents and/or Buyers.	150	.43	10.81	68
Safety Engineers.....	50	.16	11.57	45
Systems Analysts, Electronic Data Processing.....	80	.23	15.52	30
All Other Engineering Technicians.....	660	1.96	na	na
All Other Engineers.....	80	.24	na	na
All Other Physical Scientists...	30	.10	na	na
All Other Science Technicians...	120	.36	na	na

Table 30 (Continued) Industrial Organic Chemicals, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PROFESSIONAL AND TECHNICAL OCCUPATIONS (Continued)				
All Other Professional Workers..	150	.45	na	na
All Other Technical Workers.....	470	1.40	na	na
SERVICE OCCUPATIONS, TOTAL.....	430	1.27	na	na
Supervisors, Nonworking-Service.	60	.17	46.85	10
Guards and Doorkeepers.....	230	.69	14.62	25
Janitors, Porters, and Cleaners.	110	.31	38.32	25
All Other Service Workers.....	30	.09	na	na
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL				
	22,530	67.22	na	na
Supervisors, Nonworking.....	3,110	9.28	4.46	85
Boilermakers.....	130	.37	44.91	10
Carpenters.....	160	.47	20.33	18
Chemical Operator Helpers.....	600	1.79	24.21	18
Chemical Operators-A.....	5,990	17.88	11.21	65
Chemical Operators-B.....	1,890	5.64	27.84	45
Chief Operators.....	480	1.42	16.01	25
Crane, Derrick, and Hoist Operators.....	50	.14	20.10	15
Electricians.....	690	2.05	11.72	43
Inspectors.....	50	.15	26.06	18
Instrument Mechanics.....	1,020	3.03	7.50	58
Loaders, Tank Cars and/or Trucks	470	1.39	24.92	15
Machinists.....	730	2.17	18.49	25
Mechanics, Automotive.....	50	.14	34.40	13
Mechanics, Maintenance.....	1,670	5.00	13.16	40
Painters, Maintenance.....	100	.29	25.33	15
Plumbers and/or Pipefitters.....	980	2.93	16.33	28
Riggers.....	220	.64	41.74	10
Sheet Metal Workers.....	90	.27	32.19	10
Testers.....	150	.44	41.02	8
Truck Drivers.....	130	.38	33.16	28
Welders and Flamecutters.....	180	.52	20.53	23
All Other Mechanics and Repairers.....	70	.20	na	na
All Other Skilled Craftsmen and Kindred Workers.....	620	1.84	na	na
All Other Operatives and Semi- skilled Workers.....	2,310	6.91	na	na
All Other Laborers and Unskilled Workers.....	590	1.76	na	na

Table 30 (Continued) Industrial Organic Chemicals, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	2,810	8.36	na	na
Clerical Supervisors, Office or Plant.....	50	.14	22.58	25
Accounting Clerks.....	240	.72	10.73	65
Computer Operators.....	40	.10	19.34	23
General Clerks, Office.....	440	1.32	16.99	55
Key punch Operators.....	90	.25	9.46	50
Order Clerks.....	110	.31	23.32	28
Payroll and/or Timekeeping Clerks.....	70	.21	28.02	55
Personnel Clerks.....	60	.17	12.71	48
Procurement Clerks.....	60	.17	31.69	30
Production Clerks and/or Coordinators.....	150	.44	19.27	43
Secretaries.....	470	1.39	9.03	93
Shipping and/or Receiving Clerks	70	.22	21.80	35
Stenographers.....	270	.80	16.19	38
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	280	.83	15.50	45
Typists.....	90	.28	25.66	25
All Other Office Machine Operators.....	50	.14	na	na
All Other Clerical Workers.....	270	.81	na	na
SALES OCCUPATIONS, TOTAL.....	80	.22	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	80	.22	33.71	18

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Secretaries.....	93
Chemists.....	85
Supervisors, Nonworking.....	85
Chemical Engineers.....	80

Table 31
SIC 289
Miscellaneous Chemical Products
Statewide

This group includes establishments primarily engaged in manufacturing industrial and household adhesives and sealants; explosives; printing ink; carbon black; and chemicals and chemical preparations, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,390	100.00	na	na
MANAGERS AND OFFICERS.....	530	9.88	3.45	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	710	13.15	na	na
Accountants and Auditors.....	40	.72	15.62	22
Biological Science Technicians..	80	1.44	47.72	12
Chemical Engineers.....	110	2.11	24.77	24
Chemists.....	130	2.48	16.05	38
Mechanical Engineers.....	50	.85	8.28	14
Physical Science Technicians....	70	1.29	15.19	5
Purchasing Agents and/or Buyers.	30	.55	4.94	16
All Other Engineers.....	40	.67	na	na
All Other Professional Workers..	60	1.08	na	na
All Other Technical Workers.....	100	1.93	na	na
SERVICE OCCUPATIONS, TOTAL.....	70	1.32	na	na
Janitors, Porters, and Cleaners.	60	1.07	9.09	28
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,970	54.98	na	na
Supervisors, Nonworking.....	270	4.97	4.59	47
Carbon Black Makers.....	360	6.71	4.16	12
Chemical Operator Helpers.....	80	1.52	6.40	5
Chemical Operators-A.....	110	1.98	14.09	12
Chemical Operators-B.....	110	2.07	9.76	10
Electricians.....	70	1.22	2.21	14

Table 31 (Continued) Miscellaneous Chemical Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Grinder Operators-Chemicals, Plastics, Rubber, and Related Materials.....	50	.83	9.70	9
Industrial Truck Operators.....	40	.79	16.64	21
Instrument Mechanics.....	30	.59	13.45	9
Maintenance Repairers, General Utility.....	110	2.09	13.47	24
Mechanics, Maintenance.....	80	1.50	12.00	22
Mixers and/or Blenders, Chemicals and Chemical Products.....	370	6.88	13.03	55
Production Packers, Hand or Machine.....	370	6.86	12.00	33
Testers.....	30	.57	18.96	7
Tinters.....	30	.55	20.81	9
Truck Drivers.....	140	2.56	13.83	45
Welders and Flamecutters.....	110	1.98	3.63	12
All Other Skilled Craftsmen and Kindred Workers.....	140	2.63	na	na
All Other Operatives and Semi- skilled Workers.....	210	3.88	na	na
All Other Laborers and Unskilled Workers.....	260	4.75	na	na
CLERICAL OCCUPATIONS, TOTAL.....	740	13.78	na	na
Accounting Clerks.....	90	1.72	12.13	38
General Clerks, Office.....	70	1.22	17.33	41
Order Clerks.....	50	.94	17.73	34
Secretaries.....	210	3.95	6.72	57
Shipping Packers.....	40	.70	18.83	24
Typists.....	70	1.35	17.27	29
All Other Office Clerical Workers.....	140	2.50	na	na
All Other Plant Clerical Workers	70	1.37	na	na
SALES OCCUPATIONS, TOTAL.....	370	6.90	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	370	6.90	10.94	57

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 31 (Continued) Miscellaneous Chemical Products, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Sales Representatives, Sales Agents, and/or Sales Associates.....	57
Secretaries.....	57
Mixers and/or Blenders, Chemicals and Chemical Products.....	55
Supervisors, Nonworking.....	47

SIC 29
PETROLEUM REFINING AND RELATED INDUSTRIES

This major industry group includes Petroleum Refining which employed 41,000 workers (92 percent) as of June 1977. The balance of the employment (8 percent) occurred in Paving and Roofing Materials and Miscellaneous Products of Petroleum and Coal.

Production and Maintenance was the largest group of occupations representing 70 percent of the total employment. The key occupations in this category are Refinery Operators and Refinery Operator Helpers. These occupations represent 7.93 percent and 5.52 percent of the employment, respectively.

Employment in Petroleum Refining is not expected to increase significantly through the mid-1980's. Refinery output is expected to increase to meet the Nation's growing demand for petroleum products, but automated, computerized plants, increased refining capacity, and improved refining techniques should make it possible for the industry to increase production without adding unneeded employees. Most jobs will be for Operators, Maintenance Workers, Administrators, and Technicians.

Average Annual Employment for Petroleum Refining
and Related Industries*

1975	40,800
1976	42,900
1977	44,300

*Source: Current Employment Statistics Program.

Table 32
SIC 29
Petroleum Refining and Related Industries
Statewide

This major group includes establishments primarily engaged in refining petroleum, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Excluded are establishments primarily engaged in manufacturing and distributing gas to consumers, and those primarily engaged in producing coke and byproducts.

Occupation	Estimated Empl.	% of Total Empl. ¹ / ₁	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	44,450	100.00	na	na
MANAGERS AND OFFICERS.....	2,220	5.01	11.47	91
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	5,770	12.98	na	na
Accountants and Auditors.....	520	1.16	20.29	41
Chemical Engineers.....	690	1.55	7.20	33
Chemists.....	310	.70	10.95	37
Civil Engineers.....	100	.22	22.16	13
Computer Programmers.....	110	.25	18.73	17
Drafters.....	180	.41	8.41	21
Electrical and Electronic Engineers.....	120	.27	19.54	25
Electrical and Electronic Technicians.....	40	.09	12.41	9
Industrial Engineers.....	70	.14	13.09	15
Lawyers.....	40	.07	35.29	4
Mechanical Engineers.....	530	1.18	7.44	33
Nurses, Professional.....	60	.13	14.07	21
Personnel and Labor Relations Specialists.....	230	.52	7.06	32
Petroleum Engineers.....	110	.24	9.49	9
Purchasing Agents and/or Buyers.	140	.32	8.18	36
Safety Engineers.....	110	.24	7.81	29
Science Technicians.....	270	.60	17.76	20
Statisticians.....	50	.10	39.95	8
Systems Analysts, Electronic Data Processing.....	130	.28	20.79	15
All Other Engineering Technicians.....	400	.89	na	na

Table 32 (Continued) Petroleum Refining and Related Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PROFESSIONAL AND TECHNICAL OCCUPATIONS (Continued)				
All Other Engineers.....	360	.80	na	na
All Other Mathematical Scientists.....	50	.11	na	na
All Other Professional Workers..	870	1.95	na	na
All Other Technical Workers.....	280	.63	na	na
SERVICE OCCUPATIONS, TOTAL.....	820	1.85	na	na
Supervisors, Nonworking-Service.	40	.08	36.75	11
Guards and Doorkeepers.....	450	1.01	33.07	25
Janitors, Porters, and Cleaners.	200	.45	28.51	28
All Other Service Workers.....	130	.29	na	na
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL				
Supervisors, Nonworking.....	3,080	6.93	8.08	63
Asbestos and Insulation Workers.	240	.54	8.52	20
Asphalt Blenders.....	40	.08	24.58	5
Asphalt Plant Operators.....	60	.13	39.57	13
Boilermakers.....	680	1.52	22.78	16
Carpenters.....	420	.93	7.60	21
Chemical Operator Helpers.....	260	.59	43.57	11
Chemical Operators-A.....	1,090	2.45	30.93	24
Chemical Operators-B.....	460	1.03	22.36	9
Chief Operators.....	610	1.38	18.25	15
Coaters, Roofing Felt.....	180	.40	5.24	12
Compounders.....	150	.34	23.67	16
Control Panel Operators, Petroleum.....	680	1.52	28.10	12
Crane, Derrick, and Hoist Operators.....	290	.65	11.56	17
Dispatchers, Refinery.....	90	.20	37.81	11
Electricians.....	790	1.77	6.31	33
Extractor Operators and/or Extractor Plant Operators.....	410	.93	41.56	5
Filter and/or Filter Press Operators.....	90	.19	38.74	4
Gagers.....	310	.69	26.11	17
Greasemakers.....	60	.13	32.48	9
Heavy Equipment Operators.....	410	.91	26.15	24
Helpers, Trades.....	1,630	3.66	13.41	24
Industrial Truck Operators.....	270	.60	17.17	25

Table 32 (Continued) Petroleum Refining and Related Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Inspectors.....	110	.24	18.40	17
Instrument Fitters.....	60	.12	22.22	5
Instrument Mechanics.....	850	1.91	7.45	29
Loaders, Tank Cars and/or Trucks.....	330	.73	25.87	28
Machinists.....	1,200	2.69	16.08	23
Maintenance Repairers, General Utility.....	300	.67	10.64	33
Mechanics, Automotive.....	150	.34	10.92	23
Mechanics, Maintenance.....	1,100	2.47	23.95	33
Order Fillers.....	90	.21	27.97	12
Painters, Maintenance.....	370	.83	8.40	23
Plumbers and/or Pipefitters.....	1,600	3.61	6.05	23
Production Packagers, Hand or Machine.....	390	.87	21.95	13
Pump Operator Helpers.....	380	.85	44.24	9
Pump Operators.....	500	1.12	18.50	21
Refinery Operator Helpers, Petroleum.....	2,260	5.09	19.62	20
Refinery Operators, Petroleum...	3,250	7.33	9.34	31
Riggers.....	210	.48	32.10	7
Sheet Metal Workers.....	70	.15	27.22	8
Stationary Boiler Firers.....	150	.32	34.60	11
Stationary Engineers.....	310	.69	30.38	12
Still Operators, Asphalt.....	60	.13	33.79	13
Testers.....	830	1.86	4.93	31
Treaters.....	130	.30	31.10	9
Truck Drivers.....	780	1.75	27.01	43
Welders and Flamecutters-A.....	680	1.52	8.19	23
All Other Mechanics and Repairers.....	70	.15	na	na
All Other Skilled Craftsmen and Kindred Workers.....	250	.56	na	na
All Other Operatives and Semi- skilled Workers.....	820	1.84	na	na
All Other Laborers and Unskilled Workers.....	1,500	3.39	na	na
CLERICAL OCCUPATIONS, TOTAL.....	4,350	9.71	na	na
Clerical Supervisors, Office or Plant.....	460	1.04	28.17	31
Accounting Clerks.....	310	.68	10.85	48

Table 32 (Continued) Petroleum Refining and Related Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Bookkeeping and/or Billing				
Machine Operators.....	50	.11	38.94	12
Computer Operators.....	80	.17	21.30	16
File Clerks.....	80	.17	21.05	16
General Clerks, Office.....	570	1.27	9.15	37
Key punch Operators.....	220	.48	26.61	23
Order Clerks.....	40	.08	14.76	17
Payroll and/or Timekeeping				
Clerks.....	100	.22	17.36	41
Personnel Clerks.....	110	.24	11.06	31
Procurement Clerks.....	80	.18	13.21	21
Production Clerks and/or				
Coordinators.....	70	.14	13.73	27
Receptionists.....	50	.10	28.11	12
Secretaries.....	750	1.69	19.24	55
Shipping and/or Receiving Clerks	90	.19	12.42	20
Shipping Packers.....	110	.25	49.94	11
Statistical Clerks.....	40	.09	17.73	13
Stenographers.....	370	.83	23.35	21
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	230	.52	12.20	31
Switchboard Operator-				
Receptionists.....	50	.10	17.96	31
Switchboard Operators.....	30	.07	9.42	13
Typists.....	110	.24	8.51	23
All Other Office Machine				
Operators.....	100	.22	na	na
All Other Office Clerical				
Workers.....	160	.35	na	na
All Other Plant Clerical				
Workers.....	90	.19	na	na
SALES OCCUPATIONS, TOTAL.....	190	.41	na	na
Sales Representatives, Sales				
Agents, and/or Sales				
Associates.....	190	.41	16.84	25

^{1/} Based on unrounded data.

Table 32 (Continued) Petroleum Refining and Related Industries, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	91
Supervisors, Nonworking.....	63
Secretaries.....	55
Accounting Clerks.....	48
Truck Drivers.....	43

Table 33
SIC 29
Petroleum Refining and Related Industries
Dallas-Fort Worth SMSA

This major group includes establishments primarily engaged in refining petroleum, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Excluded are establishments primarily engaged in manufacturing and distributing gas to consumers, and those primarily engaged in producing coke and byproducts.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,260	100.00	na	na
MANAGERS AND OFFICERS.....	200	8.84	7.76	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	70	3.14	na	na
SERVICE OCCUPATIONS.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,570	68.80	na	na
Supervisors, Nonworking.....	80	3.54	9.93	53
Coaters, Roofing Felt.....	130	5.56	5.37	24
Helpers, Trades.....	190	8.18	20.75	24
Industrial Truck Operators.....	90	3.89	13.53	47
Maintenance Repairers, General Utility.....	50	2.10	17.39	41
Production Packagers, Hand or Machine.....	80	3.59	28.73	18
Truck Drivers.....	120	5.21	15.25	65
All Other Skilled Craftsmen and Kindred Workers.....	210	9.24	na	na
All Other Operatives and Semi- skilled Workers.....	290	12.81	na	na
All Other Laborers and Unskilled Workers.....	330	14.36	na	na

Table 33 (Continued) Petroleum Refining and Related Industries, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	340	15.51	na	na
Accounting Clerks.....	30	1.44	23.80	65
Secretaries.....	40	1.75	21.59	65
Typists.....	30	1.48	6.73	18
All Other Clerical Workers.....	240	10.78	na	na
SALES OCCUPATIONS, TOTAL.....	60	2.45	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	60	2.45	18.54	41

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Accounting Clerks.....	65
Secretaries.....	65
Truck Drivers.....	65
Supervisors, Nonworking.....	53

Table 34
SIC 29
Petroleum Refining and Related Industries
Houston SMSA

This major group includes establishments primarily engaged in refining petroleum, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Excluded are establishments primarily engaged in manufacturing and distributing gas to consumers, and those primarily engaged in producing coke and byproducts.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	16,580	100.00	na	na
MANAGERS AND OFFICERS.....	1,250	7.56	18.44	89
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	3,250	19.53	na	na
Accountants and Auditors.....	430	2.57	24.59	58
Chemical Engineers.....	290	1.73	12.78	32
Chemists.....	110	.68	9.35	42
Civil Engineers.....	70	.39	32.76	21
Computer Programmers.....	80	.45	26.15	26
Drafters.....	80	.45	19.98	26
Electrical and Electronic Engineers.....	40	.22	18.96	32
Mechanical Engineers.....	200	" 1.20	18.49	47
Personnel and Labor Relations Specialists.....	130	.79	10.05	42
Purchasing Agents and/or Buyers.	80	.50	8.57	47
Safety Engineers.....	40	.24	17.32	42
Science Technicians.....	220	1.32	21.46	21
Systems Analysts, Electronic Data Processing.....	110	.65	24.19	26
All Other Engineering Technicians.....	260	1.59	na	na
All Other Engineers.....	300	1.83	na	na
All Other Professional Workers..	620	3.72	na	na
All Other Technical Workers.....	190	1.13	na	na
SERVICE OCCUPATIONS, TOTAL.....	210	1.29	na	na
Guards and Doorkeepers.....	130	.79	11.40	37
Janitors, Porters, and Cleaners.	70	.43	44.59	26
All Other Service Workers.....	<u>2/</u>			

Table 34 (Continued) Petroleum Refining and Related Industries, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	9,430	56.90	na	na
Supervisors, Nonworking.....	1,190	7.19	15.77	68
Asbestos and Insulation Workers.	70	.42	15.64	26
Boilermakers.....	240	1.46	14.75	26
Carpenters.....	140	.83	13.68	32
Chemical Operator Helpers.....	140	.86	29.49	16
Chemical Operators-A.....	650	3.90	29.73	26
Chief Operators.....	280	1.67	32.50	21
Coaters, Roofing Felt.....	50	.28	12.75	16
Compounders.....	60	.34	28.75	21
Crane, Derrick, and Hoist Operators.....	40	.25	23.97	32
Electricians.....	320	1.94	13.79	42
Heavy Equipment Operators.....	90	.51	41.50	32
Helpers, Trades.....	250	1.50	22.53	21
Industrial Truck Operators.....	80	.50	29.23	26
Inspectors.....	50	.30	27.54	21
Instrument Mechanics.....	340	2.06	13.98	32
Loaders, Tank Cars and/or Trucks.....	70	.41	20.33	26
Machinists.....	500	3.02	13.11	32
Maintenance Repairers, General Utility.....	50	.30	4.35	26
Mechanics, Automotive.....	60	.36	18.76	21
Mechanics, Maintenance.....	30	.19	40.56	16
Order Fillers.....	40	.22	30.42	16
Painters, Maintenance.....	110	.63	20.59	32
Plumbers and/or Pipefitters.....	550	3.32	14.86	32
Pump Operators.....	210	1.24	16.17	26
Refinery Operator Helpers, Petroleum.....	560	3.40	16.49	21
Refinery Operators, Petroleum...	1,170	7.07	16.37	32
Riggers.....	140	.82	33.80	16
Stationary Engineers.....	90	.53	24.56	21
Testers.....	140	.85	17.83	32
Truck Drivers.....	160	.98	32.28	42
Welders and Flamecutters-A.....	200	1.21	16.76	32
All Other Skilled Craftsmen and Kindred Workers.....	120	.72	na	na
All Other Operatives and Semi- skilled Workers.....	850	5.13	na	na
All Other Laborers and Unskilled Workers.....	390	2.31	na	na

Table 34 (Continued) Petroleum Refining and Related Industries, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	2,340	14.14	na	na
Clerical Supervisors, Office or Plant.....	360	2.16	36.04	42
Accounting Clerks.....	170	1.04	16.24	63
Computer Operators.....	50	.31	29.60	26
File Clerks.....	40	.26	35.45	26
General Clerks, Office.....	170	1.00	15.30	42
Key punch Operators.....	170	1.03	33.50	37
Payroll and/or Timekeeping Clerks.....	30	.19	16.15	42
Personnel Clerks.....	70	.39	13.51	32
Procurement Clerks.....	50	.28	17.87	26
Production Clerks and/or Coordinators.....	40	.21	20.89	37
Receptionists.....	40	.22	33.16	26
Secretaries.....	510	3.09	27.51	58
Stenographers.....	260	1.57	32.74	37
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	90	.55	22.78	37
Typists.....	50	.31	13.03	32
All Other Office Machine Operators.....	60	.34	na	na
All Other Office Clerical Workers.....	120	.73	na	na
All Other Plant Clerical Workers	60	.38	na	na
SALES OCCUPATIONS, TOTAL.....	100	.59	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	90	.55	31.93	37
All Other Sales Workers.....	2/			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	89
Supervisors, Nonworking.....	68
Accounting Clerks.....	63
Accountants and Auditors.....	58
Secretaries.....	58

Table 35
SIC 29
Petroleum Refining and Related Industries
Corpus Christi SMSA

This major group includes establishments primarily engaged in refining petroleum, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Excluded are establishments primarily engaged in manufacturing and distributing gas to consumers, and those primarily engaged in producing coke and byproducts.

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,030	100.00	na	na
MANAGERS AND OFFICERS.....	80	4.07	28.67	75
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	220	10.67	na	na
Chemical Engineers.....	40	1.88	2.41	38
Chemists.....	30	1.29	10.57	38
Mechanical Engineers.....	30	1.63	4.62	38
All Other Engineers.....	30	1.39	na	na
All Other Professional and Technical Workers.....	90	4.47	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,610	79.21	na	na
Supervisors, Nonworking.....	140	7.00	7.38	50
Instrument Mechanics.....	40	1.83	43.13	38
Mechanics, Maintenance.....	220	10.82	27.16	63
Pump Operators.....	50	2.23	23.32	38
Refinery Operators, Petroleum...	310	15.49	32.42	38
Testers.....	110	5.36	6.91	38
All Other Skilled Craftsmen and Kindred Workers.....	100	4.86	na	na
All Other Operatives and Semi- skilled Workers.....	540	26.70	na	na
All Other Laborers and Unskilled Workers.....	100	4.91	na	na

Table 35 (Continued) Petroleum Refining and Related Industries, Corpus Christi SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	120	5.56	na	na
Secretaries.....	30	1.24	6.76	50
All Other Clerical Workers.....	90	4.32	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	75
Mechanics, Maintenance.....	63
Secretaries.....	50
Supervisors, Nonworking.....	50

Table 36
SIC 291
Petroleum Refining
Statewide

This group includes establishments primarily engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, and other products from crude petroleum and its fractionation products, through straight distillation of crude oil, redistillation of unfinished petroleum derivatives, cracking, or other processes.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	41,040	100.00	na	na
MANAGERS AND OFFICERS.....	1,920	4.68	13.11	88
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	5,660	13.73	na	na
Accountants and Auditors.....	480	1.16	21.97	40
Chemical Engineers.....	690	1.67	7.23	52
Chemists.....	300	.72	11.58	52
Civil Engineers.....	100	.23	22.74	21
Computer Programmers.....	110	.27	19.04	29
Drafters.....	180	.43	8.41	36
Electrical and Electronic Engineers.....	120	.29	19.87	40
Electrical and Electronic Technicians.....	40	.10	12.41	17
Industrial Engineers.....	60	.14	13.40	21
Lawyers.....	40	.08	35.29	7
Mechanical Engineers.....	520	1.26	7.55	45
Nurses, Professional.....	60	.14	14.28	36
Personnel and Labor Relations Specialists.....	220	.54	7.30	45
Petroleum Engineers.....	110	.26	9.49	17
Purchasing Agents and/or Buyers.....	130	.31	8.70	40
Safety Engineers.....	110	.25	7.98	48
Science Technicians.....	250	.61	18.96	26
Statisticians.....	50	.10	41.66	12
Systems Analysts, Electronic Data Processing.....	130	.30	21.10	24
All Other Engineering Technicians.....	400	.97	na	na
All Other Engineers.....	360	.87	na	na

Table 36 (Continued) Petroleum Refining, Statewide

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PROFESSIONAL AND TECHNICAL OCCUPATIONS (Continued)				
All Other Mathematical Scientists.....	50	.11	na	na
All Other Physical Scientists...	300	.73	na	na
All Other Professional Workers..	570	1.39	na	na
All Other Technical Workers.....	280	.68	na	na
SERVICE OCCUPATIONS, TOTAL.....	790	1.90	na	na
Supervisors, Nonworking-Service.	40	.08	38.79	14
Guards and Doorkeepers.....	440	1.06	34.00	38
Janitors, Porters, and Cleaners.	180	.42	32.64	21
All Other Service Workers.....	130	.31	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	28,700	70.06	na	na
Supervisors, Nonworking.....	2,920	7.14	8.47	62
Asbestos and Insulation Workers.	240	.59	8.52	36
Boilermakers.....	680	1.65	22.78	29
Carpenters.....	420	1.01	7.62	36
Chemical Operator Helpers.....	260	.62	44.60	17
Chemical Operators-A.....	1,080	2.62	31.30	38
Chemical Operators-B.....	450	1.09	22.76	14
Chief Operators.....	610	1.49	18.25	26
Compounders.....	130	.32	26.47	17
Control Panel Operators, Petroleum.....	680	1.65	28.10	21
Crain, Derrick, and Hoist Operators.....	280	.68	11.99	26
Dispatchers, Refinery.....	90	.21	37.81	19
Electricians.....	770	1.88	6.39	45
Extractor Operators and/or Extractor Plant Operators.....	410	1.01	41.56	10
Filter and/or Filter Press Operators.....	90	.21	38.74	7
Gagers.....	310	.74	26.28	26
Greasemakers.....	50	.10	42.03	10
Heavy Equipment Operators.....	270	.65	32.51	24
Helpers, Trades.....	1,450	3.54	14.81	31
Industrial Truck Operators.....	140	.33	30.25	10
Inspectors.....	80	.20	22.76	17
Instrument Fitters.....	60	.13	22.22	10

Table 36 (Continued) Petroleum Refining, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Instrument Mechanics.....	850	2.06	7.45	50
Loaders, Tank Cars and/or Trucks	320	.77	26.52	38
Machinists.....	1,190	2.90	16.17	33
Maintenance Repairers, General				
Utility.....	240	.57	12.07	33
Mechanics, Automotive.....	140	.34	11.61	26
Mechanics, Maintenance.....	1,040	2.54	25.18	45
Order Fillers.....	80	.19	32.43	12
Painters, Maintenance.....	370	.90	8.42	38
Plumbers and/or Pipefitters.....	1,600	3.91	6.05	38
Production Packagers, Hand or				
Machine.....	300	.73	27.41	12
Pump Operator Helpers.....	380	.92	44.24	17
Pump Operators.....	500	1.20	18.57	36
Refinery Operator Helpers,				
Petroleum.....	2,260	5.52	19.62	36
Refinery Operators, Petroleum...	3,250	7.93	9.36	52
Riggers.....	210	.52	32.10	12
Sheet Metal Workers.....	70	.15	28.78	12
Stationary Boiler Firers.....	140	.34	35.57	17
Stationary Engineers.....	300	.74	30.96	19
Testers.....	820	2.01	4.96	45
Treaters.....	130	.32	31.10	17
Truck Drivers.....	620	1.51	33.68	33
Welders and Flamecutters-A.....	670	1.62	8.22	36
All Other Mechanics and				
Repairers.....	60	.14	na	na
All Other Skilled Craftsmen and				
Kindred Workers.....	200	.48	na	na
All Other Operatives and Semi-				
skilled Workers.....	500	1.23	na	na
All Other Laborers and Unskilled				
Workers.....	990	2.42	na	na
CLERICAL OCCUPATIONS, TOTAL.....	3,870	9.39	na	na
Clerical Supervisors, Office or				
Plant.....	440	1.06	29.96	33
Accounting Clerks.....	270	.65	12.19	45
Bookkeeping and/or Billing				
Machine Operators.....	40	.10	47.28	7

Table 36 (Continued) Petroleum Refining, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Computer Operators.....	80	.18	21.81	26
File Clerks.....	50	.12	30.38	19
General Clerks, Office.....	540	1.32	9.49	45
Key punch Operators.....	220	.52	26.85	38
Payroll and/or Timekeeping Clerks.....	80	.19	21.33	45
Personnel Clerks.....	100	.24	11.38	43
Procurement Clerks.....	80	.19	14.00	29
Production Clerks and/or Coordinators.....	60	.13	14.79	33
Receptionists.....	40	.09	31.37	12
Secretaries.....	710	1.72	20.41	64
Shipping and/or Receiving Clerks	70	.15	14.98	17
Statistical Clerks.....	30	.08	20.68	14
Stenographers.....	320	.78	26.95	26
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	220	.52	13.08	38
Switchboard Operator- Receptionists.....	40	.09	21.35	38
Typists.....	70	.16	12.54	26
All Other Office Machine Operators.....	80	.20	na	na
All Other Office Clerical Workers.....	170	.41	na	na
All Other Plant Clerical Workers	160	.40	na	na
SALES OCCUPATIONS, TOTAL.....	100	.23	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	100	.23	28.66	12

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	88
Secretaries.....	64
Supervisors, Nonworking.....	62
Chemical Engineers.....	52
Chemists.....	52
Refinery Operators, Petroleum.....	52

SIC 30
RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS

In Texas, the Rubber and Miscellaneous Plastics Industry has approximately 26,600 employees working out of 555 establishments (June 1977). The manufacturing of tires and various other rubber products accounts for one-fourth of the total industry employment. The remaining three-fourths of the industry employment is concentrated in the published Miscellaneous Plastics segment. In this segment, the majority of occupations are in Production and Maintenance. Compression and/or Injection Molding Machine Operators is the dominant occupational category.

The Miscellaneous Plastics Industry has been one of the fastest growing industries in Texas and the United States. While employment has accelerated since 1970, long-term growth depends on the cost and availability of petrochemical feed stocks such as ethylene, propylene, butadiene, and benzene. From all indications, it appears that feed stocks will be available for future use, but probably at a higher price.

Because of the rising consumption of plastics products in automotive, residential, and construction uses, even modest upturns in these key segments would provide significant impetus for continuing growth in this major industry. Average growth between 1976 and 1977 was 16 percent.

Average Annual Employment for Rubber and Miscellaneous
Plastics Products*

1975	20,000
1976	22,500
1977	26,200

*Source: Current Employment Statistics Program.

Table 37
SIC 30
Rubber and Miscellaneous Plastics Products
Dallas-Fort Worth SMSA

This major group includes establishments manufacturing from natural, synthetic, or reclaimed rubber, gutta percha, balata, or gutta siak, rubber products such as tires, rubber footwear, mechanical rubber goods, heels and soles, flooring, and rubber sundries. This group also includes establishments primarily manufacturing tires, but establishments primarily recapping and retreading automobile tires are excluded. This major group also includes establishments engaged in molding primary plastics for the trade, and manufacturing miscellaneous finished plastics products.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	8,590	100.00	na	na
MANAGERS AND OFFICERS.....	660	7.66	4.57	95
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	250	3.05	na	na
Accountants and Auditors.....	60	.71	8.42	36
Drafters.....	40	.47	13.80	19
Purchasing Agents and/or Buyers.	30	.37	7.28	21
All Other Professional Workers..	90	1.10	na	na
All Other Technical Workers.....	30	.39	na	na
SERVICE OCCUPATIONS, TOTAL.....	100	1.17	na	na
Janitors, Porters, and Cleaners.	100	1.17	14.34	32
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	6,590	76.61	na	na
Supervisors, Nonworking.....	280	3.22	7.88	53
Assemblers, Class A.....	80	.95	31.29	6
Assemblers, Class B.....	60	.64	35.76	5
Assemblers, Class C.....	450	5.26	15.77	22
Blow-Molding Machine Operators..	60	.68	28.32	5
Compression and/or Injection Molding Machine Operators, Plastic.....	1,000	11.65	14.70	33
Cutters, Machine.....	40	.43	46.95	4

Table 37 (Continued) Rubber and Miscellaneous Plastics Products, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Embossing, Stamping, and/or Marking Machine Operators.....	40	.47	44.62	4
Extruder Operator Helpers, Plastics or Rubber.....	150	1.78	30.61	11
Extruder Operators, Plastics or Rubber.....	210	2.39	24.62	19
Fabricators, Plastics.....	100	1.15	46.85	6
Finishers, Hand.....	200	2.35	20.75	24
Grinder Operators-Chemicals, Plastics, Rubber, and Related Materials.....	110	1.24	18.73	26
Industrial Truck Operators.....	100	1.21	22.29	20
Inspectors.....	180	2.06	12.99	34
Laminators, Preforms.....	120	1.34	32.78	8
Machinists.....	190	2.19	18.62	29
Maintenance Repairers, General Utility.....	130	1.51	15.58	34
Mechanics, Maintenance.....	100	1.15	15.23	22
Mixers and/or Blenders, Chemicals and Chemical Products.....	160	1.81	18.05	26
Order Fillers.....	70	.75	21.87	18
Painters, Production.....	70	.85	38.64	9
Press Operators, Plastics.....	120	1.43	39.31	6
Press Tenders, Rubber Goods.....	90	1.03	25.99	7
Production Packagers, Hand or Machine.....	410	4.80	19.54	18
Punch-Press Operators, Plastics.....	100	1.14	34.36	7
Rubber Goods Cutter-Finishers...	30	.35	31.69	7
Rubber Mill Operators.....	40	.42	15.09	8
Setters, Plastic Molding Machine.....	120	1.44	24.41	22
Tool and Die Makers.....	110	1.30	14.47	22
Truck Drivers.....	110	1.31	13.33	35
Vacuum Plastic Forming Machine Operators.....	100	1.20	28.26	7
Welders and Flamecutters.....	40	.50	24.58	7
All Other Skilled Craftsmen and Kindred Workers.....	150	1.76	na	na
All Other Operatives and Semi-skilled Workers.....	1,030	11.96	na	na
All Other Laborers and Unskilled Workers.....	240	2.77	na	na

Table 37 (Continued) Rubber and Miscellaneous Plastics Products, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	790	9.19	na	na
Accounting Clerks.....	40	.49	11.51	18
General Clerks, Office.....	110	1.27	11.72	42
Secretaries.....	160	1.84	7.82	62
Shipping and/or Receiving Clerks	90	1.00	11.28	38
Shipping Packers.....	140	1.64	9.98	42
All Other Office Clerical Workers.....	190	2.19	na	na
All Other Plant Clerical Workers.....	60	.75	na	na
SALES OCCUPATIONS, TOTAL.....	200	2.30	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	180	2.11	8.49	46
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	95
Secretaries.....	62
Supervisors, Nonworking.....	53
Sales Representatives, Sales Agents, and/or Sales Associates.....	46
General Clerks, Office.....	42
Shipping Packers.....	42

Table 38
SIC 307
Miscellaneous Plastics Products
Statewide

This group includes establishments primarily engaged in molding primary plastics for the trade, and fabricating miscellaneous finished plastics products.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	19,940	100.00	na	na
MANAGERS AND OFFICERS.....	1,460	7.34	3.45	95
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	810	4.02	na	na
Accountants and Auditors.....	150	.75	7.09	31
Drafters.....	70	.33	9.88	12
Mechanical Engineers.....	70	.37	8.16	11
Personnel and Labor Relations Specialists.....	30	.15	10.36	10
Purchasing Agents and/or Buyers.	60	.30	6.27	16
Science Technicians.....	230	1.15	17.23	4
All Other Engineering Technicians.....	50	.24	na	na
All Other Engineers.....	80	.38	na	na
All Other Professional and Technical Workers.....	70	.33	na	na
SERVICE OCCUPATIONS, TOTAL.....	240	1.20	na	na
Janitors, Porters, and Cleaners.	230	1.14	9.47	29
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	15,350	76.97	na	na
Supervisors, Nonworking.....	810	4.05	5.50	49
Assemblers, Class A.....	90	.45	28.83	4
Assemblers, Class B.....	80	.38	28.52	4
Assemblers, Class C.....	780	3.93	13.06	17
Blow-Molding Machine Operators..	80	.41	21.87	6
Casters, Plastics.....	150	.73	12.19	5

Table 38 (Continued) Miscellaneous Plastics Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Chemical Operator Helpers.....	30	.16	41.54	2
Chemical Operators-A.....	70	.33	37.79	3
Compression and/or Injection- Molding Machine Operators, Plastic.....	1,800	9.05	11.69	34
Conveyor Operators or Tenders...	70	.36	45.36	2
Cutters, Machine.....	50	.24	36.24	3
Electricians.....	70	.33	12.56	10
Embossing, Stamping, and/or Marking Machine Operators.....	50	.25	40.14	3
Extruder Operator Helpers, Plastics or Rubber.....	470	2.36	16.05	13
Extruder Operators, Plastics or Rubber.....	790	3.97	13.71	24
Fabricators, Plastics.....	510	2.58	14.46	8
Finishers, Hand.....	760	3.81	8.40	23
Finishers, Machine.....	40	.18	28.45	5
Grinder Operators-Chemicals, Plastics, Rubber, and Related Materials.....	200	1.01	13.04	21
Heat Sealers.....	80	.41	35.49	2
Helpers, Trades.....	70	.33	48.74	3
Industrial Truck Operators.....	330	1.63	11.70	18
Inspectors.....	370	1.87	11.51	28
Laminators, Preforms.....	360	1.79	20.12	8
Machinists.....	530	2.68	15.47	26
Maintenance Repairers, General Utility.....	350	1.74	10.32	34
Mechanics, Maintenance.....	400	2.00	6.37	22
Mixers and/or Blenders, Chemicals and Chemical Products.....	390	1.95	14.66	28
Order Fillers.....	160	.79	14.06	11
Painters, Production.....	120	.59	28.26	7
Plastics Repairers.....	60	.28	37.18	2
Press Operators and/or Plate Printers.....	40	.20	22.63	5
Press Operators, Plastics.....	120	.60	40.29	2
Press Tenders, Rubber Goods.....	80	.41	32.91	3
Production Packagers, Hand or Machine.....	1,100	5.50	15.17	18
Punch-Press Operators, Plastics.	170	.84	22.28	4

Table 38 (Continued) Miscellaneous Plastics Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Sawyers, Plastics.....	30	.16	48.20	2
Setters, Plastic Molding Machine.....	260	1.31	17.10	19
Sewing Machine Operators, Regular Equipment-Nongarment..	90	.46	45.93	3
Slitting Machine Operators.....	40	.20	22.25	3
Testers.....	40	.19	23.37	5
Tool and Die Makers.....	190	.97	11.86	18
Trimmers, Plastics.....	40	.19	31.51	4
Truck Drivers.....	250	1.23	11.46	27
Vacuum Plastic Forming Machine Operators.....	120	.59	26.05	4
Welders and Flamecutters.....	60	.29	25.71	4
All Other Mechanics and Repairers.....	30	.16	na	na
All Other Skilled Craftsmen and Kindred Workers.....	260	1.29	na	na
All Other Operatives and Semi- skilled Workers.....	1,470	7.39	na	na
All Other Laborers and Unskilled Workers.....	840	4.20	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,620	8.13	na	na
Accounting Clerks.....	90	.45	9.05	15
Bookkeepers, Hand.....	30	.15	15.36	9
General Clerks, Office.....	240	1.20	8.90	40
Payroll and/or Timekeeping Clerks.....	50	.26	7.57	15
Production Clerks and/or Coordinators.....	60	.29	13.47	11
Secretaries.....	300	1.49	5.77	54
Shipping and/or Receiving Clerks	200	1.00	9.78	33
Shipping Packers.....	220	1.09	9.14	28
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	70	.36	12.00	13
Switchboard Operator- Receptionists.....	40	.22	9.03	12
Typists.....	40	.19	14.91	8
All Other Office Clerical Workers.....	250	1.25	na	na
All Other Plant Clerical Workers.....	30	.16	na	na

Table 38 (Continued) Miscellaneous Plastics Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	460	2.33	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	440	2.21	9.92	40
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	95
Secretaries.....	54
Supervisors, Nonworking.....	49
General Clerks, Office.....	40
Sales Representatives, Sales Agents, and/or Sales Associates.....	40

SIC 31 LEATHER AND LEATHER PRODUCTS

The Leather Industry in Texas cannot be considered large compared to other manufacturing segments, but the availability of raw materials and a continuing demand for the main product, interstate as well as intrastate, lends a special emphasis to the industry.

In May of 1977, the Leather Industry employed approximately 8,100 employees in 133 plants throughout Texas. Forty-six percent are concentrated in the men's and women's footwear divisions, with the men's division accounting for the bulk with 40 percent.

The Leather Products Industry has grown, on an annual average basis, approximately 18 percent since 1975, with the largest increase occurring between 1975 and 1976 with a 13 percent boost. This significant increase can mainly be attributed to the popularity of leather western goods that were making an initial influx during that period.

Like many manufacturing industries, the majority of occupations are in the Production and Maintenance category. Sewing and Stitching Machine Operators are the most dominant within this group.

The industry is expected to keep pace with moderate, but stable demand through the mid-1980's.

Average Annual Employment for Leather and Leather Products*

1975	6,700
1976	7,600
1977	7,900

*Source: Current Employment Statistics Program.

Table 39
SIC 31
Leather and Leather Products
Statewide

This major group includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and some similar products made of other materials. Leather converters are also included.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	8,100	100.00	na	na
MANAGERS AND OFFICERS.....	430	5.30	5.12	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	100	1.21	na	na
Accountants and Auditors.....	30	.39	4.43	17
All Other Professional and Technical Workers.....	70	.81	na	na
SERVICE OCCUPATIONS, TOTAL.....	90	1.08	na	na
Janitors, Porters, and Cleaners.	70	.81	6.14	29
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	6,170	76.30	na	na
Supervisors, Nonworking.....	180	2.26	4.54	36
Assemblers, Class A.....	90	1.11	21.55	10
Assemblers, Class B.....	270	3.33	15.61	19
Assemblers, Class C.....	300	3.70	14.15	16
Assemblers for Puller-Over, Hand or Machine.....	30	.38	0.00	7
Belt Makers, Apparel.....	70	.84	41.28	16
Bottom Fillers.....	60	.77	22.76	10
Buffers, Shoe Parts.....	30	.36	25.87	10
Cementers, Pastors, Backers, or Fitters, Hand.....	140	1.67	3.79	16
Cobblers.....	30	.41	0.00	7
Cutters, Hand.....	80	.99	17.86	24

Table 39 (Continued) Leather and Leather Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Die Cutters and/or Clicking				
Machine Operators.....	290	3.60	3.56	38
Embossing, Stamping, and/or				
Marking Machine Operators.....	90	1.06	24.65	28
Eyelet Machine Operators.....	40	.51	11.67	19
Fasteners, Machine.....	30	.36	0.00	9
Floor Boys/Girls.....	80	.93	0.00	12
Gluers and/or Cementers, Hand...	50	.66	3.53	9
Harness Makers.....	50	.56	33.31	9
Heel Attachers.....	50	.60	8.61	14
Inkers, Hand or Machine.....	30	.40	8.68	12
Inspectors.....	160	1.97	7.56	21
Lasters, Hand.....	80	1.02	7.40	17
Leather Stampers, Hand.....	70	.82	25.71	19
Maintenance Repairers, General				
Utility.....	80	.92	1.24	17
Mechanics, Maintenance.....	40	.51	13.56	16
Order Fillers.....	90	1.11	0.00	9
Production Packagers, Hand or				
Machine.....	90	1.08	2.69	14
Repairers, Finish.....	70	.82	9.97	10
Riveters, Light.....	30	.41	12.09	14
Saddle Makers.....	100	1.27	21.44	22
Sewing Machine Operators,				
Regular Equipment-Nongarment..	720	8.87	11.87	36
Sewing Machine Operators,				
Special and/or Automatic				
Equipment-Nongarment.....	340	4.20	5.10	10
Shank-Piece Tackers.....	30	.40	20.24	9
Shoe Parts Sewers, Hand.....	110	1.34	26.29	7
Skivers.....	80	1.02	5.42	22
Sorters, Leather.....	70	.90	5.54	22
Sprayers, Hand and/or Machine...	30	.36	4.48	12
Stainers.....	40	.45	8.40	12
Stitchers, Special Machine.....	100	1.16	5.03	12
Stitchers, Standard Machine.....	420	5.15	8.77	19
Stitchers, Utility.....	110	1.35	16.12	14
Toe Lasters.....	50	.66	17.03	10
Treers.....	40	.44	32.20	12
Trimmers, Machine.....	70	.82	14.70	14
Vamp Creasers.....	30	.40	10.15	9
All Other Skilled Craftsmen and				
Kindred Workers.....	70	.91	na	na

Table 39 (Continued) Leather and Leather Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Operatives and Semi-skilled Workers.....	780	9.60	na	na
All Other Laborers and Unskilled Workers.....	280	3.48	na	na
CLERICAL OCCUPATIONS, TOTAL.....	810	9.94	na	na
Accounting Clerks.....	40	.52	11.12	21
File Clerks.....	40	.51	1.28	14
General Clerks, Office.....	60	.78	17.01	29
Key punch Operators.....	30	.38	0.00	9
Order Clerks.....	30	.36	4.26	12
Payroll and/or Timekeeping Clerks	50	.56	7.15	29
Production Clerks and/or				
Coordinators.....	40	.43	3.84	14
Secretaries.....	70	.82	9.32	33
Shipping and/or Receiving Clerks.	60	.77	15.49	26
Shipping Packers.....	130	1.61	15.64	34
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	40	.52	7.69	26
Typists.....	40	.44	3.22	16
All Other Clerical Workers.....	180	2.17	na	na
SALES OCCUPATIONS, TOTAL.....	500	6.15	na	na
Sales Clerks.....	280	3.49	23.98	38
Sales Representatives, Sales Agents, and/or Sales Associates.....	220	2.64	15.27	22

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	83
Die Cutters and/or Clicking Machine Operators.....	38
Sales Clerks.....	38
Sewing Machine Operators, Regular Equipment-Nongarment.....	36
Supervisors, Nonworking.....	36

Table 40
SIC 31
Leather and Leather Products
Dallas-Fort Worth SMSA

This major group includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and some similar products made of other materials. Leather converters are also included.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,740	100.00	na	na
MANAGERS AND OFFICERS.....	200	7.26	5.86	85
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	40	1.35	na	na
SERVICE OCCUPATIONS.....	30	1.06	na	na
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,990	72.92	na	na
Supervisors, Nonworking.....	60	2.29	5.58	38
Assemblers, Class B.....	80	2.95	2.96	23
Assemblers, Class C.....	260	9.63	7.83	31
Die Cutters and/or Clicking Machine Operators.....	100	3.57	3.98	46
Eyelet Machine Operators.....	30	.98	16.03	23
Inspectors.....	40	1.53	14.69	23
Order Fillers.....	80	2.95	0.00	23
Saddle Makers.....	50	1.89	31.20	23
Sewing Machine Operators, Regular Equipment-Nongarment..	200	7.18	7.49	38
All Other Skilled Craftsmen and Kindred Workers.....	110	3.88	na	na
All Other Operatives and Semi- skilled Workers.....	950	34.72	na	na
All Other Laborers and Unskilled Workers.....	30	1.21	na	na

Table 40 (Continued) Leather and Leather Products, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	320	11.49	na	na
Secretaries.....	30	1.05	4.36	46
Shipping and/or Receiving Clerks	40	1.31	10.77	31
Shipping Packers.....	50	1.93	37.81	38
All Other Office Clerical Workers.....	170	6.11	na	na
All Other Plant Clerical Workers	30	1.06	na	na
SALES OCCUPATIONS, TOTAL.....	160	5.89	na	na
Sales Clerks.....	60	2.11	32.98	23
Sales Representatives, Sales Agents, and/or Sales Associates.....	100	3.75	4.89	31

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	85
Die Cutters and/or Clicking Machine Operators.....	46
Secretaries.....	46

Table 41
SIC 31
Leather and Leather Products
El Paso SMSA

This major group includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and some similar products made of other materials. Leather converters are also included.

Occupation	Estimated Empl.	% of Total Empl. <u>1/</u>	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,620	100.00	na	na
MANAGERS AND OFFICERS.....	30	1.98	0.00	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	<u>2/</u>			
SERVICE OCCUPATIONS.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,310	81.57	na	na
Supervisors, Nonworking.....	40	2.47	0.00	50
Assemblers, Class B.....	140	8.91	0.00	50
Bottom Fillers.....	40	2.72	0.00	25
Cementers, Pastors, Backers, or Fitters, Hand.....	40	2.41	0.00	50
Cutters, Hand.....	30	1.98	0.00	50
Die Cutters and/or Clicking Machine Operators.....	60	3.71	0.00	50
Gluers and/or Cementers, Hand...	30	1.91	0.00	25
Inspectors.....	50	2.90	0.00	25
Lasters, Hand.....	30	1.91	0.00	25
Maintenance Repairers, General Utility.....	40	2.47	0.00	25
Repairers, Finish.....	50	2.97	0.00	50
Sorters, Leather.....	30	2.04	0.00	75
Stitchers, Standard Machine.....	180	11.38	0.00	50
Toe Lasters.....	40	2.41	0.00	50
Trimmers, Machine.....	30	1.98	0.00	50
All Other Skilled Craftsmen and Kindred Workers.....	50	2.90	na	na

Table 41 (Continued) Leather and Leather Products, El Paso SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Operatives and Semi-skilled Workers.....	320	19.67	na	na
All Other Laborers and Unskilled Workers.....	110	6.97	na	na
CLERICAL OCCUPATIONS, TOTAL.....	190	11.90	na	na
Shipping Packers.....	30	2.10	0.00	75
All Other Clerical Workers.....	160	9.80	na	na
SALES OCCUPATIONS.....	30	1.91	na	na

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Shipping Packers.....	75
Sorters, Leather.....	75

Table 42
SIC 314
Footwear, Except Rubber
Statewide

This group includes establishments primarily engaged in manufacturing footwear, except rubber. These establishments manufacture house slippers; men's and women's footwear, designed primarily for dress, street, and work; and footwear, except rubber, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. <u>1</u> /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	4,350	100.00	na	na
MANAGERS AND OFFICERS.....	80	1.87	11.07	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	50	1.10	na	na
SERVICE OCCUPATIONS, TOTAL.....	60	1.26	na	na
Janitors, Porters, and Cleaners.	40	.98	7.79	67
All Other Service Workers.....	<u>2</u> /			
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	3,540	81.47	na	na
Supervisors, Nonworking.....	110	2.61	4.53	75
Assemblers, Class B.....	200	4.46	0.00	42
Assemblers for Puller-Over, Hand or Machine.....	30	.70	0.00	33
Bottom Fillers.....	60	1.44	22.76	50
Buffers, Shoe Parts.....	30	.68	25.87	50
Cementers, Pastors, Backers, or Fitters-Hand.....	130	3.02	3.91	67
Cobblers.....	30	.77	0.00	33
Cutters, Hand.....	40	.93	16.29	50
Die Cutters and/or Clicking Machine Operators.....	120	2.81	6.92	67
Floor Boys/Girls.....	70	1.51	0.00	50
Heel Attachers.....	50	1.12	8.61	67
Inspectors.....	90	2.08	0.00	42
Lasters, Hand.....	80	1.85	7.42	75

Table 42 (Continued) Footwear, Except Rubber, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Maintenance Repairers, General				
Utility.....	70	1.58	0.00	50
Production Packagers, Hand or				
Machine.....	60	1.37	0.00	50
Repairers, Finish.....	70	1.53	9.97	50
Sewing Machine Operators,				
Regular Equipment-Nongarment..	230	5.28	18.60	25
Sewing Machine Operators,				
Special and/or Automatic				
Equipment-Nongarment.....	90	2.01	0.00	25
Shank-Piece Tackers.....	30	.75	20.24	42
Shoe Parts Sewers, Hand.....	110	2.49	26.29	33
Skivers.....	40	.87	11.10	67
Sorters, Leather.....	40	.93	6.98	58
Stitchers, Special Machine.....	100	2.17	5.03	58
Stitchers, Standard Machine.....	390	8.99	5.67	67
Stitchers, Utility.....	80	1.92	9.42	58
Toe Lasters.....	50	1.23	17.03	50
Treers.....	40	.82	32.20	58
Trimmers, Machine.....	60	1.35	16.20	50
Vamp Creasers.....	30	.75	10.15	42
All Other Skilled Craftsmen and				
Kindred Workers.....	100	2.37	na	na
All Other Operatives and Semi-				
skilled Workers.....	650	14.91	na	na
All Other Laborers and Unskilled				
Workers.....	260	5.86	na	na
CLERICAL OCCUPATIONS, TOTAL.....	460	10.47	na	na
Key punch Operators.....	30	.70	0.00	42
Production Clerks and/or				
Coordinators.....	30	.68	0.00	33
Shipping and/or Receiving Clerks	40	.82	21.99	58
Shipping Packers.....	50	1.16	5.61	58
Stock Clerks-Stockroom, Ware-				
house, or Storage Yard.....	30	.70	9.24	67
All Other Office Clerical				
Workers.....	280	6.36	na	na

Table 42 (Continued) Footwear, Except Rubber, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	160	3.81	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	80	1.87	4.11	42
All Other Sales Workers.....	80	1.92	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	83
Lasters, Hand.....	75
Supervisors, Nonworking.....	75

SIC 32
Stone, Clay, Glass, and Concrete Products

Stone, Clay, Glass, and Concrete Products are made in Texas largely for the construction industry. Major outputs include cement and concrete products, brick, tile, plaster, building stone, and flat glass. A few container plants are also in operation producing bottles, jars, and drinking glasses. Altogether there are more than 700 Stone, Clay, and Glass plants mostly located close to sources of the earth materials that they process.

Concrete, Gypsum, and Plaster Products is the only publishable industry in this major group. It is also the largest group, representing 41 percent of the total employment of 38,100 (May 1977). Ready-Mixed Concrete is the largest single division. This one division alone employs 7,600 workers. Truck Drivers are the dominant occupation in the Production and Maintenance category with the bulk of these working in the Ready-Mixed Concrete division.

Growth in the Stone, Clay, and Glass Products Industry is closely correlated to the fluctuations in the construction sector. The 7 percent growth from 1976 to 1977 is expected to continue as long as there are no major downturns in construction activity.

Average Annual Employment for Stone, Clay, Glass, and
Concrete Products*

1975	34,200
1976	35,900
1977	38,300

*Source: Current Employment Statistics Program.

Table 43
SIC 327
Concrete, Gypsum, and Plaster Products
Statewide

This group includes establishments primarily engaged in manufacturing concrete products from a combination of cement and aggregate; ready-mixed concrete; lime; and gypsum products.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	15,650	100.00	na	na
MANAGERS AND OFFICERS.....	1,280	8.17	9.14	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	290	1.87	na	na
Accountants and Auditors.....	80	.51	16.77	21
Drafters.....	100	.61	20.81	10
All Other Professional Workers..	80	.52	na	na
All Other Technical Workers.....	30	.22	na	na
SERVICE OCCUPATIONS, TOTAL.....	150	.92	na	na
Janitors, Porters, and Cleaners.	100	.62	22.53	25
All Other Service Workers.....	50	.30	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	12,240	78.27	na	na
Supervisors, Nonworking.....	330	2.11	16.08	40
Batch Plant Operators.....	720	4.58	11.15	69
Concrete Pipe Makers.....	310	1.99	45.10	14
Concrete Rubbers.....	190	1.21	32.32	12
Concrete Stone Fabricators.....	880	5.65	35.43	16
Concrete Stone Finishers.....	30	.19	37.70	2
Crane, Derrick, and Hoist Operators.....	240	1.54	19.75	24
Delivery and Route Workers.....	240	1.50	32.97	15
Electricians.....	30	.20	48.25	4
Heavy Equipment Operators.....	240	1.50	19.54	29
Industrial Truck Operators.....	430	2.75	20.33	38

Table 43 (Continued) Concrete, Gypsum, and Plaster Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Kiln Operators.....	70	.44	32.33	7
Maintenance Repairers, General Utility.....	370	2.34	37.16	30
Mechanics, Automotive.....	420	2.65	15.40	46
Mechanics, Maintenance.....	130	.83	20.25	20
Order Fillers.....	50	.32	46.39	10
Pipe Strippers.....	220	1.41	31.91	11
Testers.....	30	.21	30.21	3
Truck Drivers.....	4,130	26.40	13.61	84
Welders and Flamecutters.....	320	2.02	24.72	23
All Other Mechanics and Repairers.....	50	.33	na	na
All Other Skilled Craftsmen and Kindred Workers.....	450	2.87	na	na
All Other Operatives and Semi- skilled Workers.....	850	5.45	na	na
All Other Laborers and Unskilled Workers.....	1,510	9.64	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,280	8.14	na	na
Accounting Clerks.....	140	.87	20.01	27
Bookkeepers, Hand.....	160	.99	15.72	34
Dispatchers-Vehicle, Service, or Work.....	260	1.66	11.03	43
General Clerks, Office.....	310	1.98	23.88	39
Secretaries.....	190	1.18	13.90	34
All Other Office Clerical Workers.....	120	.77	na	na
All Other Plant Clerical Workers	100	.65	na	na
SALES OCCUPATIONS, TOTAL.....	410	2.62	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	390	2.49	12.20	52
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 43 (Continued) Concrete, Gypsum, and Plaster Products, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Truck Drivers.....	84
Batch Plant Operators.....	69
Sales Representatives, Sales Agents, and/or Sales Associates.....	52
Mechanics, Automotive.....	46

SIC 33 PRIMARY METAL INDUSTRIES

Texas' Primary Metal Manufacturers employ approximately 41,000 workers (April 1977), chiefly in the production of steel, aluminum, magnesium, copper, lead, and zinc and in the making of pipe, wire, sheet metal, and foundry products. The industry has developed in Texas largely because of regional demand for metal goods and because fuels, used in large quantity in most metal plants, are available in Texas. Most of the ores are shipped into Texas from elsewhere, though some iron ore is mined in East Texas, and magnesium is extracted from seawater.

The Iron and Steel Foundries (the only published industry on a statewide basis) is represented by three major divisions--Gray Iron Foundries, Malleable Iron Foundries, and Steel Investment Foundries. These three divisions make up approximately 20 percent of the total Primary Metal Industries employment.

A very high percentage (86 percent) of the occupations in the Iron and Steel Foundries segment are in Production and Maintenance. Filers, Grinders, Buffers, etc., represent the largest category. Foundries are progressing from a labor-intensive to a capital-intensive industry. Mechanization and automation have become realities of the industry, and productivity and quality should continue to rise. The auto industry is a prime user of this industry and any change causes a definite impact at the industry level. Employment is expected to increase at a moderate pace, but probably not at the 1976-1977 rate.

Average Annual Employment for Primary Metal Industries*

1975	36,800
1976	38,000
1977	40,900

*Source: Current Employment Statistics Program.

Table 44
SIC 33
Primary Metal Industries
Houston SMSA

This major group includes establishments engaged in the smelting and refining of ferrous and nonferrous metals from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; in the manufacture of castings and other basic products of ferrous and nonferrous metals; and in the manufacture of nails, spikes, and insulated wire and cable. This major group also includes the production of coke. Establishments primarily engaged in manufacturing metal forgings or stampings are excluded.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	9,760	100.00	na	na
MANAGERS AND OFFICERS.....	350	3.60	10.90	88
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	340	3.47	na	na
Accountants and Auditors.....	30	.31	13.70	21
Chemists.....	50	.50	4.33	15
Metallurgists and Metallurgical Engineers.....	30	.34	8.30	18
All Other Engineers.....	100	.97	na	na
All Other Professional and Technical Workers.....	130	1.34	na	na
SERVICE OCCUPATIONS, TOTAL.....	130	1.35	na	na
Guards and Doorkeepers.....	50	.50	10.43	9
Janitors, Porters, and Cleaners.	70	.74	14.41	29
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	8,220	84.24	na	na
Supervisors, Nonworking.....	640	6.55	3.15	44
Brakers, Train.....	140	1.45	6.96	6
Coremakers-Hand, Bench and/or Floor.....	50	.51	14.22	18
Crane, Derrick, and Hoist Operators.....	590	6.09	1.13	24

Table 44 (Continued) Primary Metal Industries, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Electricians.....	320	3.27	3.73	18
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	180	1.89	11.27	24
Furnace Operator Helpers or Heater Helpers.....	40	.42	33.99	21
Furnace Operators and/or Cupola Tenders.....	60	.65	14.74	35
Grinding and/or Abrading Machine Operators, Metal.....	50	.47	49.19	15
Heat Treaters, Annealers, and/or Temperers.....	110	1.15	33.66	24
Helpers, Trades.....	110	1.11	4.72	12
Industrial Truck Operators.....	130	1.30	12.15	32
Inspectors.....	230	2.38	6.49	18
Instrument Mechanics.....	30	.32	8.70	6
Machinists.....	110	1.17	15.55	15
Maintenance Repairers, General Utility.....	70	.73	39.31	29
Mechanics, Automotive.....	80	.85	7.50	18
Mechanics, Maintenance.....	410	4.19	5.78	21
Molders, Bench and/or Floor.....	60	.57	18.95	18
Molders, Machine.....	80	.85	14.08	21
Oilers.....	40	.40	2.56	15
Order Fillers.....	50	.47	37.94	15
Refractory Materials Repairers..	70	.70	8.54	12
Riggers.....	100	1.07	5.00	12
Samplers and/or Test Preparers..	40	.38	4.91	9
Shakeout Workers, Foundry.....	50	.50	32.89	21
Truck Drivers.....	160	1.65	16.22	47
Welders and Flamecutters-A.....	140	1.38	6.60	12
Welders and Flamecutters-B.....	60	.62	35.14	6
Welders and Flamecutters-C.....	210	2.17	20.30	12
Yard Engineers.....	70	.69	7.05	6
All Other Mechanics and Repairers.....	100	1.01	na	na
All Other Skilled Craftsmen and Kindred Workers.....	880	9.03	na	na
All Other Operatives and Semi- skilled Workers.....	2,080	21.28	na	na
All Other Laborers and Unskilled Workers.....	680	6.96	na	na

Table 44 (Continued) Primary Metal Industries, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	650	6.61	na	na
Production Clerks and/or Coordinators.....	60	.61	5.82	21
Secretaries.....	50	.55	19.83	32
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	50	.53	11.05	26
All Other Office Clerical Workers.....	260	2.62	na	na
All Other Plant Clerical Workers.....	230	2.31	na	na
SALES OCCUPATIONS, TOTAL.....	70	.73	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	70	.73	45.44	38

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	88
Truck Drivers.....	47
Supervisors, Nonworking.....	44
Sales Representatives, Sales Agents, and/or Sales Associates.....	38
Furnace Operators and/or Cupola Tenders.....	35

Table 45
SIC 33
Primary Metal Industries
El Paso SMSA

This major group includes establishments engaged in the smelting and refining of ferrous and nonferrous metals from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; in the manufacture of castings and other basic products of ferrous and nonferrous metals; and in the manufacture of nails, spikes, and insulated wire and cable. This major group also includes the production of coke. Establishments primarily engaged in manufacturing metal forgings or stampings are excluded.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,520	100.00	na	na
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	140	5.63	na	na
Chemists.....	40	1.74	1.90	100
All Other Professional and Technical Workers.....	100	3.88	na	na
SERVICE OCCUPATIONS, TOTAL.....	50	2.02	na	na
Guards and Doorkeepers.....	30	1.15	2.62	50
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,190	85.85	na	na
Supervisors, Nonworking.....	210	8.32	.15	100
Boilermakers.....	60	2.54	.46	50
Casters, Ingots and Pigs.....	50	1.98	1.79	83
Coilers, Winders, and/or Spoolers.....	30	1.27	0.00	17
Conveyor Operators or Tenders... Crane, Derrick, and Hoist Operators.....	80	3.29	.93	67
Electricians.....	90	3.57	0.00	83
Furnace Chargers.....	50	1.82	1.68	83
Furnace Operators and/or Cupola Tenders.....	70	2.66	5.74	50
	80	2.97	5.13	83

Table 45 (Continued) Primary Metal Industries, El Paso SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Helpers, Trades.....	70	2.89	1.15	100
Industrial Truck Operators.....	110	4.24	.78	100
Machinists.....	100	3.77	0.00	83
Maintenance Repairers, General Utility.....	30	1.27	0.00	50
Refractory Materials Repairers..	50	1.98	0.00	67
Samplers and/or Test Preparers..	70	2.58	.46	67
Truck Drivers.....	60	2.42	1.16	83
Welders and Flamecutters-A.....	70	2.62	0.00	67
All Other Skilled Craftsmen and Kindred Workers.....	260	10.11	na	na
All Other Operatives and Semi- skilled Workers.....	380	15.02	na	na
All Other Laborers and Unskilled Workers.....	270	10.54	na	na
CLERICAL OCCUPATIONS, TOTAL.....	140	5.51	na	na
Accounting Clerks.....	40	1.39	2.21	67
All Other Clerical Workers.....	100	4.12	na	na

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Chemists.....	100
Helpers, Trades.....	100
Industrial Truck Operators.....	100
Supervisors, Nonworking.....	100

Table 46
SIC 332
Iron and Steel Foundries
Statewide

This group includes establishments primarily engaged in manufacturing gray iron castings, including cast iron pressure and soil pipes and fittings; malleable iron castings; steel investment castings; and steel castings, not elsewhere classified. These establishments generally operate on a job or order basis, manufacturing castings for sale to others or for interplant transfer.

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	8,360	100.00	na	na
MANAGERS AND OFFICERS.....	270	3.23	7.65	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	230	2.79	na	na
SERVICE OCCUPATIONS, TOTAL.....	110	1.29	na	na
Guards and Doorkeepers.....	40	.43	27.60	21
Janitors, Porters, and Cleaners.....	30	.40	36.70	29
All Other Service Workers.....	40	.44	na	na
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	7,230	86.36	na	na
Supervisors, Nonworking.....	420	5.05	6.61	75
Carpenters.....	70	.77	14.15	29
Core Assemblers, Pastors, and/or Finishers.....	90	1.05	7.35	33
Coremakers-Hand, Bench, and/or Floor.....	160	1.89	17.70	58
Coremakers, Machine.....	110	1.33	12.97	38
Crane, Derrick, and Hoist Operators.....	80	.98	9.26	21
Drill-Press and/or Boring Machine Operators.....	130	1.58	17.56	13
Electricians.....	100	1.23	9.49	42
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	430	5.20	28.54	54

Table 46 (Continued) Iron and Steel Foundries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Furnace Chargers.....	40	.52	13.43	21
Furnace Operator Helpers or Heater Helpers.....	50	.53	27.59	42
Furnace Operators and/or Cupola Tenders.....	110	1.34	17.18	88
Grinding Machine Operators, Metal.....	60	.69	38.16	21
Helpers, Trades.....	100	1.18	12.80	17
Industrial Truck Operators.....	270	3.26	6.19	46
Inspectors.....	90	1.05	8.44	46
Lathe and/or Turning Machine Operators.....	90	1.03	26.80	17
Machinists.....	160	1.85	22.80	25
Maintenance Repairers, General Utility.....	60	.70	32.24	42
Mechanics, Automotive.....	110	1.25	17.10	17
Mechanics, Maintenance.....	380	4.49	12.91	38
Millwrights.....	70	.80	13.40	17
Mold Closers, Core Setters, and/or Weight and Jacket Setters.....	260	3.08	12.91	46
Molders, Bench and/or Floor.....	150	1.80	24.72	63
Molders, Machine.....	280	3.33	18.52	67
Order Fillers.....	310	3.67	16.88	21
Patternmakers, Wood.....	60	.65	12.54	46
Pourers, Metal.....	150	1.78	11.15	63
Sand Cutters, Mixers, and/or Slingers.....	40	.46	45.08	33
Sandblasters and/or Shotblasters Setters, Molding and Coremaking Machine.....	70	.80	34.42	29
Shakeout Workers, Foundry.....	260	3.09	8.23	75
Shell-Mold and/or Shell-Core Machine Operators.....	140	1.66	6.97	38
Truck Drivers.....	350	4.23	15.78	54
Welders and Flamecutters-B.....	80	.92	18.78	17
Welders and Flamecutters-C.....	140	1.66	13.40	25
All Other Skilled Craftsmen and Kindred Workers.....	230	2.72	na	na
All Other Operatives and Semi- skilled Workers.....	930	11.18	na	na
All Other Laborers and Unskilled Workers.....	530	6.38	na	na

Table 46 (Continued) Iron and Steel Foundries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	450	5.43	na	na
General Clerks, Office.....	40	.50	17.27	38
Secretaries.....	40	.49	4.53	33
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	70	.81	11.56	46
All Other Office Clerical Workers.....	250	2.99	na	na
All Other Plant Clerical Workers	50	.63	na	na
SALES OCCUPATIONS, TOTAL.....	70	.88	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	70	.88	11.48	63

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE.

<u>OCCUPATION</u>	<u>PERCENT</u>
Furnace Operators and/or Cupola Tenders.....	88
Managers and Officers.....	83
Shakeout Workers, Foundry.....	75
Supervisors, Nonworking.....	75
Molders, Machine.....	67

SIC 34
FABRICATED METAL PRODUCTS, EXCEPT MACHINERY
AND TRANSPORTATION EQUIPMENT

The growth of this industry is closely related to the increasing demand for metal building goods: girders, reinforcing bars, air-conditioning ductwork, metal windows and doors, and a wide variety of components for building and highway work.

Approximately 79,000 workers are employed at the total industry level. A large percentage are employed in large factories, but most are small specialized establishments that serve local markets. Houston is the dominant center of the Fabricated Metal Industry.

On a statewide basis, the Miscellaneous Fabricated Metal Products Group was the only segment that met the criteria or (criterion) for publication. While this group is not the largest portion of the total industry, it does represent 21 percent as of June 1977. The bulk of the employment in the Miscellaneous Group is in the Production and Maintenance Category (67 percent) with Lathe and Turning Machine Operators representing the largest group with 7 percent.

Fabricated Metals as a whole and the Miscellaneous segment as a portion have not experienced rapid growth over the last few years. Supply and demand factors are prevalent for normal growth, but automation is a deterring factor for accelerated occupational growth through the next decade.

Average Annual Employment for Fabricated Metal Products,
Except Machinery and Transportation Equipment*

1975	77,500
1976	78,300
1977	78,400

*Source: Current Employment Statistics Program.

Table 47
SIC 34
Fabricated Metal Products, Except Machinery and Transportation Equipment
El Paso SMSA

This major group includes establishments engaged in fabricating ferrous and nonferrous metal products such as metal cans, tinware, hand tools, cutlery, general hardware, nonelectric heating apparatus, fabricated structural metal products, metal forgings, metal stampings, ordnance (except vehicles and guided missiles), and a variety of metal and wire products not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,020	100.00	na	na
MANAGERS AND OFFICERS.....	60	5.89	21.78	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	40	3.74	na	na
SERVICE OCCUPATIONS.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	810	80.92	na	na
Supervisors, Nonworking.....	40	4.12	15.70	64
Assemblers, Class C.....	30	3.04	37.47	21
Helpers, Trades.....	60	6.28	46.62	36
Punch-Press Operators, Metal....	30	3.33	49.31	29
Welders and Flamecutters-B.....	50	4.91	48.45	36
All Other Skilled Craftsmen and Kindred Workers.....	300	29.79	na	na
All Other Operatives and Semi- skilled Workers.....	180	17.70	na	na
All Other Laborers and Unskilled Workers.....	120	11.70	na	na
CLERICAL OCCUPATIONS.....	60	6.29	na	na
SALES OCCUPATIONS, TOTAL.....	30	2.45	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	30	2.45	47.87	36

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

Fabricated Metal Products, Except Machinery and Transportation
Table 47 (Continued) Equipment, El Paso SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Supervisors, Nonworking.....	64

Table 48
SIC 349
Miscellaneous Fabricated Metal Products
Statewide

This group includes establishments primarily engaged in manufacturing steel and wire springs; valves and pipe fittings, except plumbers' brass goods; miscellaneous fabricated wire products; metal foil and leaf; fabricated pipe and pipe fittings; and fabricated metal products, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	16,680	100.00	na	na
MANAGERS AND OFFICERS.....	1,250	7.53	6.51	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,410	8.42	na	na
Accountants and Auditors.....	120	.71	9.15	43
Cost Estimators.....	50	.27	21.80	14
Drafters.....	440	2.66	31.69	32
Industrial Engineers.....	60	.33	19.31	12
Mechanical Engineers.....	230	1.40	19.49	24
Purchasing Agents and/or Buyers.	100	.59	6.55	28
All Other Engineering Technicians.....	110	.64	na	na
All Other Engineers.....	40	.23	na	na
All Other Professional Workers..	220	1.34	na	na
All Other Technical Workers.....	40	.24	na	na
SERVICE OCCUPATIONS, TOTAL.....	190	1.14	na	na
Janitors, Porters, and Cleaners.	160	.98	11.48	48
All Other Service Workers.....	30	.15	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	11,210	67.30	na	na
Supervisors, Nonworking.....	540	3.25	4.69	60
Assemblers, Class A.....	220	1.29	28.19	18
Assemblers, Class B.....	540	3.24	14.87	24
Assemblers, Class C.....	640	3.82	24.12	27
Carpenters.....	40	.25	42.41	5

Table 48 (Continued) Miscellaneous Fabricated Metal Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Drill-Press and/or Boring Machine Operators.....	440	2.62	15.52	35
Electricians.....	40	.25	16.40	9
Electroplaters.....	40	.21	34.52	7
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	100	.61	18.37	14
Fitters, Structural Metal.....	180	1.09	39.37	6
Forging-Press Operators.....	40	.22	39.57	3
Grinding and/or Abrading Machine Operators, Metal.....	230	1.36	16.89	27
Helpers, Trades.....	260	1.54	27.21	24
Industrial Truck Operators.....	150	.92	19.43	19
Inspectors.....	360	2.16	12.32	40
Lathe and/or Turning Machine Operators.....	1,180	7.10	11.61	37
Machine Tool Operators, Combination.....	360	2.17	23.30	23
Machine Tool Operators, Numerical Control.....	60	.36	14.30	7
Machine Tool Operators, Toolroom.....	90	.54	26.68	16
Machine Tool Setters, Metal Working.....	70	.40	25.68	13
Machinists.....	790	4.77	49.33	23
Maintenance Repairers, General Utility.....	110	.66	19.40	21
Mechanics, Maintenance.....	160	.97	16.91	19
Milling and/or Planing Machine Operators.....	110	.65	19.71	13
Order Fillers.....	60	.35	23.60	8
Painters, Production.....	70	.40	23.71	20
Power Brake and/or Bending Machine Operators, Metal.....	290	1.75	10.20	13
Production Packagers, Hand or Machine.....	210	1.28	18.09	28
Punch-Press Operators, Metal....	60	.36	21.04	12
Sawyers, Metal.....	40	.21	37.93	7
Testers.....	60	.35	25.29	9
Tool and Die Makers.....	90	.53	23.96	19
Truck Drivers.....	110	.65	20.42	34
Welders and Flamecutters-B.....	320	1.92	43.80	19

Table 48 (Continued) Miscellaneous Fabricated Metal Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Welders and Flamecutters-C.....	180	1.07	39.81	11
All Other Mechanics and Repairers.....	50	.32	na	na
All Other Skilled Craftsmen and Kindred Workers.....	1,260	7.58	na	na
All Other Operatives and Semi- skilled Workers.....	1,050	6.31	na	na
All Other Laborers and Unskilled Workers.....	610	3.68	na	na
CLERICAL OCCUPATIONS, TOTAL.....	2,140	12.76	na	na
Clerical Supervisors, Office or Plant.....	70	.40	6.25	13
Accounting Clerks.....	200	1.17	19.18	34
Bookkeepers, Hand.....	60	.37	20.87	26
File Clerks.....	50	.29	15.23	17
General Clerks, Office.....	250	1.51	27.73	42
Key punch Operators.....	60	.37	5.25	10
Order Clerks.....	90	.51	25.17	14
Payroll and/or Timekeeping Clerks.....	50	.30	14.34	19
Production Clerks and/or Coordinators.....	130	.75	5.89	18
Secretaries.....	240	1.42	8.65	55
Shipping and/or Receiving Clerks	100	.61	11.34	30
Shipping Packers.....	170	1.00	8.38	19
Stenographers.....	40	.25	20.35	5
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	120	.69	7.47	19
Switchboard Operator- Receptionists.....	40	.26	8.54	23
Typists.....	90	.51	25.76	17
All Other Office Machine Operators.....	50	.31	na	na
All Other Clerical Workers.....	330	1.97	na	na

Table 48 (Continued) Miscellaneous Fabricated Metal Products, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	480	2.86	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	450	2.72	19.21	54
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Supervisors, Nonworking.....	60
Secretaries.....	55
Sales Representatives, Sales Agents, and/or Sales Associates.....	54
Janitors, Porters, and Cleaners.....	48

SIC 35 MACHINERY, EXCEPT ELECTRICAL

Today, more Texas plants turn out machinery than any other class of manufacturing goods. The number of workers in this total industry was approximately 115,000 as of June 1977, more persons than were employed in any other type of manufacturing. The Nonelectrical Machinery Industry is concentrated in the Houston Standard Metropolitan Statistical Area (SMSA) where more than a third of all Texas workers in that category are employed. Oil field equipment and construction machinery are among the major outputs of the nonelectrical manufacturers.

The publishable industries in this major Machinery Group are-- Farm and Garden Machinery and Equipment; Metalworking Machinery and Equipment; Special Industry Machinery, Except Metalworking Machinery; and Office, Computing, and Accounting Machines. These industries do not make up a majority of the total Machinery Industry employment, but they do represent a significant 22 percent. The manufacturing of Metalworking Machinery and the manufacturing of Farm Machinery are the two major publishable segments where blue-collar Production and Maintenance employees represent the majority group. The greatest percentages of single occupations in this group are in Welders and Flamecutters, Tool and Die Makers, Lathe Operators, and Combination Machine Tool Operators.

Employment in the total Machinery Industry has grown 13 percent in the past three years. This trend is expected to continue through the mid-1980's.

Average Annual Employment for Machinery, Except Electrical*

1975	102,300
1976	108,800
1977	115,600

*Source: Current Employment Statistics Program.

Table 49
SIC 35
Machinery, Except Electrical
Austin SMSA

This major group includes establishments engaged in manufacturing machinery and equipment, other than electrical equipment and transportation equipment. Machines powered by built-in or detachable motors ordinarily are included in this major group, with the exception of electrical household appliances. Portable tools, both electric and pneumatic powered, are included in this major group, but hand tools are excluded.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,520	100.00	na	na
MANAGERS AND OFFICERS.....	800	14.51	.99	82
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	2,500	45.39	na	na
Accountants and Auditors.....	130	2.33	5.26	73
Drafters.....	70	1.30	0.00	45
Electrical and Electronic Engineers.....	700	12.62	0.00	36
Industrial Engineers.....	40	.77	0.00	36
Purchasing Agents and/or Buyers.	60	.99	2.20	45
Systems Analysts, Scientific and Technical.....	130	2.31	0.00	27
All Other Engineering Technicians.....	440	8.04	na	na
All Other Engineers.....	190	3.44	na	na
All Other Professional Workers..	90	1.69	na	na
All Other Technical Workers.....	650	11.85	na	na
SERVICE OCCUPATIONS, TOTAL.....	50	.89	na	na
Janitors, Porters, and Cleaners.	30	.48	16.78	55
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,220	22.14	na	na
Assemblers, Class C.....	340	6.23	5.29	27
Inspectors.....	210	3.75	1.17	36
Machinists.....	90	1.61	38.03	36
Maintenance Repairers, General Utility.....	40	.68	0.00	27

Table 49 (Continued) Machinery, Except Electrical, Austin SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	250	4.57	na	na
All Other Operatives and Semi-skilled Workers.....	270	4.96	na	na
All Other Laborers and Unskilled Workers.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	930	16.92	na	na
Accounting Clerks.....	50	.88	0.00	36
Computer Operators.....	40	.79	0.00	27
General Clerks, Office.....	240	4.36	4.01	55
Production Clerks and/or Coordinators.....	90	1.70	1.28	45
Secretaries.....	230	4.22	0.00	64
Shipping Packers.....	30	.52	8.37	27
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	110	1.90	0.00	45
All Other Office Machine Operators.....	30	.60	na	na
All Other Office Clerical Workers.....	80	1.36	na	na
All Other Plant Clerical Workers	30	.56	na	na
SALES OCCUPATIONS.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	82
Accountants and Auditors.....	73
Secretaries.....	64
General Clerks, Office.....	55
Janitors, Porters, and Cleaners.....	55

Table 50
SIC 352
Farm and Garden Machinery and Equipment
Statewide

This group includes establishments primarily engaged in manufacturing farm machinery and equipment, including wheel tractors. This industry also includes establishments manufacturing lawn mowers, garden tractors, and other lawn and garden equipment used for home lawn and garden care; and snowblowers and throwers for residential use.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,630	100.00	na	na
MANAGERS AND OFFICERS.....	300	8.33	6.21	91
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	150	4.27	na	na
Accountants and Auditors.....	40	1.10	7.15	33
Drafters.....	40	1.19	4.15	26
All Other Professional and Technical Workers.....	70	1.97	na	na
SERVICE OCCUPATIONS, TOTAL.....	50	1.24	na	na
Janitors, Porters, and Cleaners.	50	1.24	14.07	41
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,590	71.15	na	na
Supervisors, Nonworking.....	190	5.14	4.31	41
Assemblers, Class C.....	210	5.72	10.90	39
Crane, Derrick, and Hoist Operators.....	30	.83	0.00	7
Drill-Press and/or Boring Machine Operators.....	80	2.24	7.20	39
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	70	1.90	10.33	26
Grinding and/or Abrading Machine Operators, Metal.....	60	1.63	5.69	20
Industrial Truck Operators.....	50	1.38	12.91	24

Table 50 (Continued) Farm and Garden Machinery and Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Lathe and/or Turning Machine Operators.....	70	1.88	7.28	28
Machine Assemblers, Class A.....	60	1.66	27.46	15
Machine Assemblers, Class B.....	50	1.35	2.30	9
Machine Tool Operators, Combination.....	40	1.02	10.76	17
Machinists.....	50	1.49	13.62	15
Painters, Production.....	90	2.54	9.40	70
Punch-Press Operators, Metal....	130	3.48	18.67	41
Sawyers, Metal.....	40	.96	10.67	15
Sheet Metal Workers.....	110	2.98	15.35	22
Truck Drivers.....	50	1.38	11.46	22
Welders and Flamecutters-A.....	290	7.94	6.85	39
Welders and Flamecutters-B.....	270	7.33	6.02	48
Welders and Flamecutters-C.....	220	6.17	9.91	37
All Other Assemblers, Class B...	70	2.05	na	na
All Other Skilled Craftsmen and Kindred Workers.....	100	2.77	na	na
All Other Operatives and Semi-skilled Workers.....	160	4.33	na	na
All Other Laborers and Unskilled Workers.....	100	2.75	na	na
CLERICAL OCCUPATIONS, TOTAL.....	390	10.65	na	na
General Clerks, Office.....	90	2.35	7.69	50
Secretaries.....	70	1.79	16.39	54
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	40	1.07	12.25	28
All Other Office Clerical Workers.....	130	3.63	na	na
All Other Plant Clerical Workers	60	1.78	na	na
SALES OCCUPATIONS, TOTAL.....	150	4.27	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	150	4.12	12.30	61

^{1/} Based on unrounded data.

Table 50 (Continued) Farm and Garden Machinery and Equipment, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	91
Painters, Production.....	70
Sales Representatives, Sales Agents, and/or Sales Associates.....	61
Secretaries.....	54
General Clerks, Office.....	50

Table 51
SIC 354
Metalworking Machinery and Equipment
Statewide

This group includes establishments primarily engaged in manufacturing metalworking machinery and equipment, such as cutting and forming machine tools; machine tool accessories and measuring devices; power driven hand tools; rolling mill machinery and equipment; and metalworking machinery, not elsewhere classified. This group also includes tool and die shops making special dies and tools, die sets, jigs and fixtures, and industry molds.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	4,170	100.00	na	na
MANAGERS AND OFFICERS.....	420	10.05	7.23	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	230	5.38	na	na
Accountants and Auditors.....	40	.84	18.15	25
Mechanical Engineers.....	40	.88	11.42	23
All Other Professional and Technical Workers.....	150	3.65	na	na
SERVICE OCCUPATIONS, TOTAL.....	60	1.51	na	na
Janitors, Porters, and Cleaners.	60	1.51	13.87	37
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,860	68.69	na	na
Supervisors, Nonworking.....	110	2.66	12.42	38
Assemblers, Class C.....	40	1.05	19.97	13
Drill-Press and/or Boring Machine Operators.....	200	4.90	3.29	15
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	90	2.06	25.67	10
Grinding and/or Abrading Machine Operators, Metal.....	160	3.82	23.87	20
Inspectors.....	60	1.49	10.75	12

Table 51 (Continued) Metalworking Machinery and Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Lathe and/or Turning Machine Operators.....	250	6.01	5.50	25
Machine Assemblers, Class A.....	40	.88	18.46	8
Machine Tool Operators, Combination.....	270	6.39	28.15	35
Machine Tool Operators, Numerical Control.....	50	1.08	14.48	15
Machine Tool Setters.....	60	1.53	13.24	20
Machinists.....	170	4.18	29.11	30
Milling and/or Planing Machine Operators.....	60	1.53	12.82	22
Order Fillers.....	60	1.32	4.37	8
Punch-Press Operators, Metal.....	120	2.98	34.31	15
Tool and Die Makers.....	310	7.45	14.72	53
Welders and Flamecutters-A.....	50	1.15	37.67	20
Welders and Flamecutters-B.....	40	.84	27.85	12
Welders and Flamecutters-C.....	30	.76	11.07	10
All Other Assemblers, Class A...	40	.94	na	na
All Other Skilled Craftsmen and Kindred Workers.....	110	2.69	na	na
All Other Operatives and Semi-skilled Workers.....	460	11.03	na	na
All Other Laborers and Unskilled Workers.....	80	1.90	na	na
CLERICAL OCCUPATIONS, TOTAL.....	430	10.28	na	na
General Clerks, Office.....	70	1.73	18.90	33
Secretaries.....	100	2.28	12.75	45
Shipping Packers.....	30	.81	13.94	8
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	70	1.61	11.68	25
All Other Office Clerical Workers.....	110	2.59	na	na
All Other Plant Clerical Workers	50	1.25	na	na
SALES OCCUPATIONS, TOTAL.....	170	4.06	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	150	3.53	15.96	30
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 51 (Continued) Metalworking Machinery and Equipment. Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Tool and Die Makers.....	53
Secretaries.....	45
Supervisors, Nonworking.....	38
Janitors, Porters, and Cleaners.....	37

Table 52
SIC 355
Special Industry Machinery, Except Metalworking Machinery
Statewide

This group includes establishments primarily engaged in manufacturing machinery for use by the food products and beverage manufacturing industries; textile industries, including parts, attachments, and accessories; and woodworking industries such as sawmills, planing mills, cabinet and furniture makers, pattern makers, and veneer workers. Also included in this group are establishments manufacturing machinery for the pulp, paper, and paper product industries; machinery and equipment used by the printing and bookbinding trades; and special industry machinery, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	7,640	100.00	na	na
MANAGERS AND OFFICERS.....	1,020	13.42	3.56	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	2,220	29.03	na	na
Accountants and Auditors.....	150	2.02	8.78	41
Computer Programmers, Business..	160	2.05	1.42	10
Designers.....	50	.59	18.08	10
Drafters.....	80	1.06	26.81	48
Electrical and Electronic Engineers.....	570	7.44	1.04	17
Electrical and Electronic Technicians.....	70	.90	29.35	21
Industrial Engineers.....	50	.65	11.05	10
Mechanical Engineers.....	80	1.00	24.71	34
Personnel and Labor Relations Specialists.....	40	.53	5.42	10
Purchasing Agents and/or Buyers.	80	1.01	8.56	38
All Other Engineering Technicians.....	270	3.53	na	na
All Other Engineers.....	170	2.23	na	na
All Other Professional Workers..	40	.54	na	na
All Other Technical Workers.....	410	5.44	na	na
SERVICE OCCUPATIONS, TOTAL.....	70	.93	na	na
Janitors, Porters, and Cleaners.	40	.57	23.81	41
All Other Service Workers.....	30	.35	na	na

Table 52 (Continued) Special Industry Machinery, Except Metalworking Machinery, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	3,130	40.96	na	na
Supervisors, Nonworking.....	180	2.36	24.18	45
Assemblers, Class C.....	500	6.54	17.36	28
Drill-Press and/or Boring Machine Operators.....	70	.86	18.04	31
Grinding and/or Abrading Machine Operators, Metal.....	60	.75	39.98	24
Inspectors.....	220	2.92	3.24	21
Lathe and/or Turning Machine Operators.....	170	2.25	43.22	34
Machine Assemblers, Class A.....	230	3.06	38.64	24
Machine Assemblers, Class B.....	30	.40	29.15	14
Machine Tool Operators, Combination.....	100	1.34	39.86	34
Maintenance Repairers, General Utility.....	40	.52	7.87	10
Milling and/or Planing Machine Operators.....	80	.98	29.44	28
Welders and Flamecutters-A.....	100	1.35	33.06	31
Welders and Flamecutters-B.....	330	4.30	48.56	28
All Other Assemblers, Class B...	160	2.06	na	na
All Other Skilled Craftsmen and Kindred Workers.....	340	4.44	na	na
All Other Operatives and Semi- skilled Workers.....	390	5.12	na	na
All Other Laborers and Unskilled Workers.....	130	1.68	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,080	14.11	na	na
Accounting Clerks.....	50	.64	15.87	24
General Clerks, Office.....	260	3.43	7.75	52
Production Clerks and/or Coordinators.....	120	1.52	11.04	34
Secretaries.....	240	3.15	5.77	69
Shipping Packers.....	40	.50	21.50	14
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	120	1.61	12.21	48
All Other Office Clerical Workers.....	200	2.65	na	na
All Other Plant Clerical Workers	50	.59	na	na

Table 52 (Continued) Special Industry Machinery, Except Metalworking Machinery, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	120	1.56	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	100	1.36	33.11	45
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Secretaries.....	69
General Clerks, Office.....	52
Drafters.....	48
Stock Clerks-Stockroom, Warehouse, or Storage Yard...	48

Table 53
SIC 357
Office, Computing, and Accounting Machines
Statewide

This group includes establishments engaged in manufacturing typewriters and parts; electronic computing equipment; calculating and accounting machines; scales and balances, except laboratory; and office machines, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	9,490	100.00	na	na
MANAGERS AND OFFICERS.....	870	9.17	2.78	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	3,730	39.36	na	na
Accountants and Auditors.....	70	.73	6.93	53
Computer Programmers, Business..	70	.76	5.31	26
Computer Programmers, Scientific and Technical.....	250	2.64	10.06	37
Designers.....	30	.35	40.10	26
Drafters.....	200	2.10	7.20	53
Electrical and Electronic Engineers.....	530	5.62	3.44	63
Electrical and Electronic Technicians.....	1,360	14.29	11.74	79
Industrial Engineers.....	40	.43	1.61	26
Mechanical Engineers.....	70	.77	21.97	32
Purchasing Agents and/or Buyers.	60	.65	9.17	47
Systems Analysts, Scientific and Technical.....	340	3.53	13.47	21
Writers and/or Editors.....	30	.32	24.25	32
All Other Engineering Technicians.....	290	3.02	na	na
All Other Engineers.....	240	2.52	na	na
All Other Professional and Technical Workers.....	150	1.56	na	na
SERVICE OCCUPATIONS, TOTAL.....	140	1.44	na	na
Janitors, Porters, and Cleaners.	120	1.22	11.60	32
All Other Service Workers.....	20			

Table 53 (Continued) Office, Computing, and Accounting Machines, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,790	29.41	na	na
Supervisors, Nonworking.....	80	.88	1.58	26
Assemblers, Class C.....	150	1.55	8.41	21
Electrical and Electronic Assemblers, Class A.....	1,000	10.57	.69	37
Electrical and Electronic Assemblers, Class B.....	200	2.12	19.31	47
Electro-Mechanical Equipment Assemblers, Class A.....	80	.80	32.55	16
Helpers, Trades.....	40	.38	41.15	16
Inspectors.....	270	2.81	16.10	42
Machine Tool Operators, Toolroom.....	120	1.25	39.97	16
Machinists.....	90	.95	0.00	26
Sheet Metal Workers.....	90	.89	4.48	21
All Other Assemblers, Class B...	240	2.57	na	na
All Other Skilled Craftsmen and Kindred Workers.....	250	2.61	na	na
All Other Operatives and Semi- skilled Workers.....	160	1.71	na	na
All Other Laborers and Unskilled Workers.....	2/			
CLERICAL OCCUPATIONS, TOTAL.....	1,550	16.25	na	na
Clerical Supervisors, Office or Plant.....	30	.34	11.75	26
Accounting Clerks.....	160	1.72	10.49	42
Computer Operators.....	70	.71	8.36	42
General Clerks, Office.....	190	2.01	10.34	53
Keypunch Operators.....	50	.47	8.46	32
Production Clerks and/or Coordinators.....	90	.97	6.88	42
Secretaries.....	430	4.50	3.82	84
Typists.....	110	1.14	6.98	16
Shipping and/or Receiving Clerks.....	90	.96	4.50	42
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	110	1.10	8.58	53
All Other Clerical Workers.....	220	2.26	na	na

Table 53 (Continued) Office, Computing, and Accounting Machines, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	410	4.36	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	410	4.36	7.50	53

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Secretaries.....	84
Electrical and Electronic Technicians.....	79
Electrical and Electronic Engineers.....	63

SIC 37 TRANSPORTATION EQUIPMENT

In Texas, the bulk of the Transportation Equipment Industries' occupational employment is centered in three major segments-- Motor Vehicles and Equipment, Aircraft and Parts, and Ship and Boat Building. The June 1977 employment of these three major segments was 14,110, 40,240, and 9,620, respectively. The combined employment for these groups represent 86 percent of the total industry employment.

The manufacturers of Transportation Equipment, once Texas' largest employer, has steadily cut back employment since 1970 mainly because fewer aircraft are being built. The Aircraft segment depends primarily on large purchase contracts that are secured irregularly. Nevertheless, there is a continuing growth in Texas plants turning out boats, trailers, and mobile homes. The Transportation Equipment Industry is concentrated most heavily in the Dallas-Fort Worth area, but coastal shipyards also contribute significantly to employment in this industry.

Erratic employment is expected to abate at the major industry level. Increased demands for all types of Transportation Equipment will push employment upward through the mid-1980's.

Average Annual Employment for Transportation Equipment*

1975	67,200
1976	66,300
1977	64,400

*Source: Current Employment Statistics Program.

Table 54
SIC 37
Transportation Equipment
Statewide

This major group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air, and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, guided missiles and space vehicles, ships, boats, railroad equipment, and miscellaneous transportation equipment, such as motorcycles, bicycles, and snowmobiles.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	74,220	100.00	na	na
MANAGERS AND OFFICERS.....	5,350	7.16	4.59	95
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	12,760	17.18	na	na
Accountants and Auditors.....	950	1.27	4.92	32
Aeronautical Engineers.....	3,230	4.32	14.65	7
Chemists.....	50	.06	12.00	4
Civil Engineers.....	60	.08	38.54	2
Commercial Artists.....	210	.28	10.79	6
Computer Programmers, Business..	200	.26	9.15	13
Computer Programmers, Scientific and Technical.....	140	.18	8.65	5
Designers.....	60	.07	41.17	7
Drafters.....	490	.65	6.66	25
Electrical and Electronic Engineers.....	660	.87	8.36	8
Electrical and Electronic Technicians.....	400	.53	14.09	10
Industrial Engineers.....	600	.80	10.42	17
Mathematicians.....	80	.10	16.77	2
Mechanical Engineering Technicians.....	160	.21	25.45	2
Mechanical Engineers.....	370	.49	7.69	16
Metallurgists and Metallurgical Engineers.....	50	.06	9.16	4
Nurses, Professional.....	50	.06	4.42	10
Personnel and Labor Relations Specialists.....	330	.43	12.80	22

Table 54 (Continued) Transportation Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PROFESSIONAL AND TECHNICAL OCCUPATIONS (Continued)				
Purchasing Agents and/or Buyers.	770	1.02	5.88	48
Systems Analysts, Business.....	320	.42	7.22	10
Systems Analysts, Scientific and Technical.....	250	.33	4.01	4
Tool Programmers, Numerical Control.....	70	.09	8.64	5
Writers and/or Editors.....	380	.51	8.59	8
All Other Engineering Technicians.....	340	.45	na	na
All Other Engineers.....	1,890	2.55	na	na
All Other Professional Workers..	580	.78	na	na
All Other Technical Workers.....	70	.10	na	na
SERVICE OCCUPATIONS, TOTAL.....	1,600	2.14	na	na
Supervisors, Nonworking-Service.	90	.11	7.56	8
Guards and Doorkeepers.....	550	.73	3.51	13
Janitors, Porters, and Cleaners.	890	1.19	5.75	45
All Other Service Workers.....	70	.09	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	44,750	60.32	na	na
Supervisors, Nonworking.....	2,400	3.21	5.34	56
Aircraft Structure and Surfaces Assemblers, Class B.....	640	.86	22.22	4
Assemblers, Class C.....	4,990	6.69	24.50	33
Boilermakers.....	100	.13	15.87	2
Carpenters.....	1,230	1.64	47.09	27
Crane, Derrick, and Hoist Operators.....	160	.21	3.00	10
Delivery and Route Workers.....	40	.05	38.27	4
Dip Platers, Nonelectrolytic....	50	.06	41.62	3
Drill-Press and/or Boring Machine Operators.....	280	.37	15.42	12
Electrical and Electronic Assemblers, Class A.....	270	.35	15.54	3
Electrical and Electronic Assemblers, Class B.....	490	.65	9.48	3
Electricians.....	530	.71	7.37	24
Electro-Mechanical Assemblers, Class B.....	250	.33	28.55	4
Electroplaters.....	110	.15	13.14	7

Table 54 (Continued) Transportation Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Fabricators, Plastics.....	90	.12	24.19	3
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	610	.81	18.01	22
Grinding and/or Abrading Machine Operators, Metal.....	390	.52	23.38	12
Heat Treaters, Annealers, and/or Temperers.....	70	.08	9.33	3
Helpers, Trades.....	720	.96	10.69	18
Industrial Truck Operators.....	350	.46	10.48	21
Inspectors.....	1,670	2.23	3.39	30
Instrument Mechanics.....	120	.16	17.09	3
Laminators, Preforms.....	1,270	1.70	17.81	13
Lathe and/or Turning Machine Operators.....	780	1.04	6.49	13
Lay-Out Markers, Metal.....	150	.19	10.53	8
Machine Tool Operators, Combination.....	700	.93	35.06	13
Machine Tool Operators, Numerical-Control.....	330	.44	21.59	7
Machine Tool Operators, Toolroom.....	110	.14	20.76	3
Machinists.....	500	.67	17.52	19
Maintenance Repairers, General Utility.....	220	.28	24.01	20
Mechanics, Aircraft.....	1,330	1.77	4.33	7
Mechanics, Automotive.....	210	.28	18.66	15
Mechanics, Maintenance.....	350	.47	13.83	14
Milling and/or Planing Machine Operators.....	650	.86	29.52	7
Millwrights.....	180	.24	10.11	4
Oilers.....	60	.08	5.67	5
Order Fillers.....	70	.08	38.41	5
Painters, Maintenance.....	140	.18	10.49	10
Painters, Production.....	1,160	1.54	8.14	44
Patternmakers, Metal.....	160	.21	11.75	5
Plater Helpers.....	70	.09	11.92	4
Plumbers and/or Pipefitters.....	390	.52	8.82	12
Power Brake and/or Bending Machine Operators, Metal.....	190	.25	21.84	13
Production Packagers, Hand or Machine.....	150	.19	20.39	5

Table 54 (Continued) Transportation Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Punch-Press Operators, Metal....	230	.30	34.33	15
Riggers.....	140	.19	1.43	4
Riveters, Heavy.....	70	.08	20.81	2
Riveters, Light.....	80	.10	15.18	4
Sawyers, Metal.....	60	.07	21.24	7
Sewing Machine Operators, Regular Equipment-Nongarment..	100	.13	22.25	5
Sewing Machine Operators, Special and/or Automatic Equipment-Nongarment.....	60	.07	43.62	4
Shear and/or Slitter Operators, Metal.....	110	.14	48.38	10
Sheet Metal Workers.....	1,370	1.83	43.12	16
Shipfitters.....	940	1.25	3.92	5
Stationary Engineers.....	130	.17	3.91	5
Testers.....	220	.28	23.25	4
Tool and Die Makers.....	500	.66	14.56	15
Truck Drivers.....	510	.68	22.30	37
Welders and Flamecutters-A.....	1,900	2.54	15.26	24
Welders and Flamecutters-B.....	2,810	3.75	37.78	33
Welders and Flamecutters-C.....	720	.96	21.86	19
Woodworking Machine Operators...	190	.25	34.46	9
All Other Assemblers, Class A...	2,670	3.61	na	na
All Other Assemblers, Class B...	1,050	1.42	na	na
All Other Mechanics and Repairers.....	300	.39	na	na
All Other Skilled Craftsmen and Kindred Workers.....	1,120	1.51	na	na
All Other Operatives and Semi- skilled Workers.....	2,270	3.07	na	na
All Other Laborers and Unskilled Workers.....	2,470	3.30	na	na
CLERICAL OCCUPATIONS, TOTAL.....	9,090	12.24	na	na
Clerical Supervisors, Office or Plant.....	280	.37	19.12	15
Accounting Clerks.....	360	.47	11.51	28
Bookkeepers, Hand.....	70	.09	21.23	11
Computer Operators.....	120	.15	4.78	13
File Clerks.....	110	.14	9.55	12
General Clerks, Office.....	1,190	1.58	14.27	46
Key Punch Operators.....	210	.27	6.78	15

Table 54 (Continued) Transportation Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Order Clerks.....	70	.09	27.93	11
Payroll and/or Timekeeping Clerks.....	200	.26	6.61	25
Peripheral EDP Equipment Operators.....	60	.07	32.77	3
Personnel Clerks.....	140	.18	15.74	19
Procurement Clerks.....	120	.16	19.99	13
Production Clerks and/or Coordinators.....	1,100	1.46	4.21	26
Receptionists.....	60	.07	28.85	10
Secretaries.....	1,110	1.49	6.54	56
Shipping and/or Receiving Clerks	260	.35	14.67	28
Shipping Packers.....	260	.35	20.45	16
Statistical Clerks.....	100	.12	10.02	6
Stenographers.....	680	.91	3.10	8
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	1,050	1.41	4.04	31
Switchboard Operator- Receptionists.....	70	.08	19.38	21
Switchboard Operators.....	70	.09	8.41	10
Typists.....	420	.56	7.32	18
All Other Office Machine Operators.....	160	.21	na	na
All Other Office Clerical Workers.....	660	.88	na	na
All Other Plant Clerical Workers	160	.21	na	na
SALES OCCUPATIONS, TOTAL.....	670	.90	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	650	.87	17.13	39
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	95
Secretaries.....	56
Supervisors, Nonworking.....	56
Purchasing Agents and/or Buyers.....	48
General Clerks, Office.....	46

Table 55
SIC 37
Transportation Equipment
Dallas-Fort Worth SMSA

This major group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air, and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, guided missiles and space vehicles, ships, boats, railroad equipment, and miscellaneous transportation equipment, such as motorcycles, bicycles, and snowmobiles.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	40,840	100.00	na	na
MANAGERS AND OFFICERS.....	3,260	7.99	6.55	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	8,960	21.94	na	na
Accountants and Auditors.....	750	1.83	5.47	37
Aeronautical Engineers.....	2,990	7.34	15.80	8
Commercial Artists.....	190	.47	11.66	7
Computer Programmers, Business..	150	.36	12.10	17
Computer Programmers, Scientific and Technical.....	120	.29	9.72	8
Drafters.....	200	.47	8.27	20
Electrical and Electronic Technicians.....	250	.61	19.94	8
Industrial Engineers.....	520	1.26	12.14	17
Mechanical Engineers.....	290	.70	9.67	24
Metallurgists and Metallurgical Engineers.....	40	.10	10.82	8
Personnel and Labor Relations Specialists.....	220	.52	11.68	22
Purchasing Agents and/or Buyers.	520	1.26	7.08	49
Systems Analysts, Business.....	200	.50	11.25	10
Systems Analysts, Scientific and Technical.....	130	.31	7.72	5
Tool Programmers, Numerical Control.....	60	.14	9.60	10
Writers and/or Editors.....	300	.74	10.90	10
All Other Engineering Technicians.....	370	.91	na	na
All Other Engineers.....	1,370	3.36	na	na

Table 55 (Continued) Transportation Equipment, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PROFESSIONAL AND TECHNICAL OCCUPATIONS (Continued)				
All Other Professional Workers..	250	.62	na	na
All Other Technical Workers.....	40	.09	na	na
SERVICE OCCUPATIONS, TOTAL.....	980	2.40	na	na
Supervisors, Nonworking-Service.	50	.11	13.17	7
Guards and Doorkeepers.....	350	.85	4.29	14
Janitors, Porters, and Cleaners.	560	1.38	5.21	46
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRU- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL				
	21,330	52.27	na	na
Supervisors, Nonworking.....	940	2.31	6.84	49
Assemblers, Class A.....	2,740	6.71	11.16	12
Assemblers, Class C.....	2,350	5.76	10.66	44
Carpenters.....	130	.31	20.45	25
Delivery and Route Workers.....	30	.08	43.83	7
Dip Plater, Nonelectrolytic.....	50	.11	44.31	5
Drill-Press and/or Boring				
Machine Operators.....	250	.61	14.73	22
Electricians.....	180	.44	11.21	20
Electro-Mechanical Assemblers, Class B.....	240	.57	29.57	7
Electroplaters.....	100	.23	15.19	8
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	330	.81	22.52	20
Grinding and/or Abrading				
Machine Operators, Metal.....	260	.64	34.84	19
Heat Treaters, Annealers, and/or Temperers.....	60	.13	9.30	5
Helpers, Trades.....	90	.22	40.05	12
Industrial Truck Operators.....	210	.50	11.17	29
Inspectors.....	1,150	2.80	3.31	32
Instrument Mechanics.....	110	.27	18.28	5
Laminators, Preforms.....	420	1.01	13.21	12
Lathe and/or Turning Machine Operators.....	600	1.47	6.21	12
Lay-Out Markers, Metal.....	60	.13	18.77	8
Machine Tool Operators, Combination.....	470	1.14	47.26	19
Machine Tool Operators, Numerical Control.....	170	.41	19.52	8

Table 55 (Continued) Transportation Equipment, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Machine Tool Operators, Toolroom.....	100	.24	22.81	7
Machinists.....	190	.47	42.82	14
Maintenance Repairers, General Utility.....	80	.19	21.97	15
Mechanics, Aircraft.....	240	.58	15.34	8
Mechanics, Automotive.....	70	.16	21.78	12
Mechanics, Maintenance.....	180	.45	7.21	14
Milling and/or Planing Machine Operators.....	600	1.47	31.59	12
Oilers.....	40	.10	8.18	8
Order Fillers.....	60	.13	44.36	8
Painters, Maintenance.....	70	.16	19.83	10
Painters, Production.....	510	1.24	10.12	41
Patternmakers, Metal.....	140	.34	13.24	7
Plater Helpers.....	50	.12	14.16	5
Plumbers and/or Pipefitters.....	110	.26	11.16	8
Power Brake and/or Bending Machine Operators, Metal.....	100	.23	12.74	22
Production Packagers, Hand or Machine.....	150	.35	20.76	12
Punch-Press Operators, Metal....	100	.25	22.23	22
Sawyers, Metal.....	40	.09	28.22	8
Sewing Machine Operators, Regular Equipment-Nongarment..	40	.10	39.36	7
Sheet Metal Workers.....	320	.79	10.32	17
Stationary Engineers.....	120	.29	4.11	8
Testers.....	210	.51	23.89	7
Tool and Die Makers.....	430	1.04	16.88	19
Truck Drivers.....	260	.64	27.64	41
Welders and Flamecutters-B.....	640	1.57	23.94	36
Welders and Flamecutters-C.....	130	.32	22.27	19
Woodworking Machine Operators...	30	.08	37.31	8
All Other Assemblers, Class B...	1,190	2.91	na	na
All Other Mechanics and Repairers.....	60	.15	na	na
All Other Skilled Craftsmen and Kindred Workers.....	1,320	3.23	na	na
All Other Operatives and Semi- skilled Workers.....	2,070	5.08	na	na
All Other Laborers and Unskilled Workers.....	740	1.81	na	na

Table 55 (Continued) Transportation Equipment, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	6,090	14.87	na	na
Clerical Supervisors, Office or Plant.....	240	.57	22.64	19
Accounting Clerks.....	210	.51	16.14	32
Bookkeepers, Hand.....	40	.09	20.36	14
Computer Operators.....	70	.17	7.09	17
File Clerks.....	60	.15	14.81	19
General Clerks, Office.....	810	1.98	19.45	49
Key punch Operators.....	160	.38	8.70	20
Order Clerks.....	50	.11	35.96	17
Payroll and/or Timekeeping Clerks.....	130	.31	9.89	31
Peripheral EDP Equipment Operators.....	60	.13	33.94	5
Personnel Clerks.....	90	.22	19.98	19
Procurement Clerks.....	50	.11	18.66	14
Production Clerks and/or Coordinators.....	770	1.87	4.91	27
Secretaries.....	770	1.89	8.14	61
Shipping and/or Receiving Clerks	150	.35	12.66	34
Shipping Packers.....	220	.54	24.26	22
Statistical Clerks.....	60	.15	14.73	8
Stenographers.....	510	1.25	3.35	8
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	670	1.63	5.73	24
Switchboard Operators.....	50	.13	10.75	17
Typists.....	200	.49	14.96	20
All Other Office Machine Operators.....	90	.21	na	na
All Other Office Clerical Workers	510	1.25	na	na
All Other Plant Clerical Workers	120	.28	na	na
SALES OCCUPATIONS, TOTAL.....	220	.52	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	220	.52	22.07	41

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 55 (Continued) Transportation Equipment, Dallas-Fort Worth SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Secretaries.....	61
General Clerks, Office.....	49
Purchasing Agents and/or Buyers.....	49
Supervisors, Nonworking.....	49

Table 56
SIC 37
Transportation Equipment
San Antonio SMSA

This major group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air, and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, guided missiles and space vehicles, ships, boats, railroad equipment, and miscellaneous transportation equipment, such as motorcycles, bicycles, and snowmobiles.

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,210	100.00	na	na
MANAGERS AND OFFICERS.....	190	8.41	6.12	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	180	8.33	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	1,620	73.28	na	na
Supervisors, Nonworking.....	150	6.69	2.40	44
Assemblers, Class C.....	60	2.89	11.27	25
Inspectors.....	130	5.83	3.61	38
Machinists.....	50	2.26	29.02	44
Sheet Metal Workers.....	130	5.83	48.96	19
Welders and Flamecutters-A.....	30	1.26	18.14	44
Welders and Flamecutters-B.....	120	5.24	28.81	31
All Other Skilled Craftsmen and and Kindred Workers.....	240	10.70	na	na
All Other Operatives and Semi- skilled Workers.....	540	24.44	na	na
All Other Laborers and Unskilled Workers.....	170	7.92	na	na
CLERICAL OCCUPATIONS, TOTAL.....	180	8.01	na	na
Secretaries.....	40	1.58	11.55	75
All Other Clerical Workers.....	140	6.42	na	na

Table 56 (Continued) Transportation Equipment, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	40	1.58	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	40	1.58	15.71	31

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Secretaries.....	75

Table 57
SIC 371
Motor Vehicles and Motor Vehicle Equipment
Statewide

This group includes establishments engaged in manufacturing or assembling complete passenger automobiles, trucks, commercial cars, buses, and special purpose motor vehicles; passenger car bodies; truck and bus bodies; truck trailers and truck trailer chassis; and motor vehicle parts and accessories.

Occupation	Estimated Empl.	% of Total Empl.1/	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	14,110	100.00	na	na
MANAGERS AND OFFICERS.....	640	4.51	13.18	94
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	470	3.31	na	na
Accountants and Auditors.....	70	.48	19.77	38
Drafters.....	60	.45	29.12	21
Industrial Engineers.....	40	.31	16.78	13
Mechanical Engineers.....	30	.21	37.85	19
Personnel and Labor Relations Specialists.....	40	.27	17.93	25
Purchasing Agents and/or Buyers.	80	.53	27.82	50
All Other Engineering Technicians.....	40	.28	na	na
All Other Engineers.....	60	.39	na	na
All Other Professional and Technical Workers.....	50	.36	na	na
SERVICE OCCUPATIONS, TOTAL.....	290	2.04	na	na
Guards and Doorkeepers.....	40	.26	10.50	6
Janitors, Porters, and Cleaners.	240	1.68	9.23	52
All Other Service Workers.....	2/			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	11,350	80.60	na	na
Supervisors, Nonworking.....	420	2.99	12.10	60
Assemblers, Class C.....	2,940	20.85	13.97	40

Table 57 (Continued) Motor Vehicles and Motor Vehicle Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Carpenters.....	130	.92	7.94	13
Electricians.....	60	.44	16.18	13
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	230	1.65	40.39	25
Industrial Truck Operators.....	130	.91	14.39	27
Inspectors.....	100	.67	31.89	23
Lathe and/or Turning Machine Operators.....	160	1.15	.51	8
Maintenance Repairers, General Utility.....	60	.42	28.20	17
Mechanics, Automotive.....	110	.80	28.88	15
Mechanics, Maintenance.....	50	.35	20.50	10
Order Fillers.....	50	.36	48.35	6
Painters, Production.....	410	2.93	14.70	58
Power Brake and/or Bending Machine Operators, Metal.....	100	.68	42.97	21
Riveters, Light.....	60	.43	19.85	6
Sheet Metal Workers.....	320	2.26	10.58	17
Truck Drivers.....	220	1.56	42.35	44
Welders and Flamecutters-A.....	650	4.61	42.77	29
Welders and Flamecutters-B.....	890	6.27	27.77	38
Welders and Flamecutters-C.....	470	3.33	31.94	27
All Other Skilled Craftsmen and Kindred Workers.....	310	2.22	na	na
All Other Operatives and Semi- skilled Workers.....	2,590	18.38	na	na
All Other Laborers and Unskilled Workers.....	890	6.30	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,160	8.15	na	na
Accounting Clerks.....	110	.80	27.66	35
Bookkeepers, Hand.....	40	.24	23.47	15
General Clerks, Office.....	180	1.26	33.36	40
Key punch Operators.....	30	.22	34.46	19
Order Clerks.....	30	.24	45.90	17
Payroll and/or Timekeeping Clerks.....	40	.29	19.80	33
Production Clerks and/or Coordinators.....	120	.87	28.79	31

Table 57 (Continued) Motor Vehicles and Motor Vehicle Equipment, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Secretaries.....	110	.75	18.14	54
Shipping and/or Receiving Clerks	90	.60	19.91	33
Shipping Packers.....	100	.72	49.13	23
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	70	.46	34.95	27
All Other Office Machine Operators.....	50	.35	na	na
All Other Clerical Workers.....	190	1.31	na	na
SALES OCCUPATIONS, TOTAL.....	200	1.38	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	190	1.34	23.30	42
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	94
Supervisors, Nonworking.....	60
Painters, Production.....	58
Secretaries.....	54
Janitors, Porters, and Cleaners.....	52

Table 58
SIC 372
Aircraft and Parts
Statewide

This group includes establishments primarily engaged in manufacturing or assembling complete aircraft, aircraft engines, propellers, and other aircraft parts and auxiliary equipment. Research and development is also included in this industry group. Excluded are primary manufacturers of aeronautical instruments, aeronautical electrical equipment, and guided missile and space vehicle parts.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	40,240	100.00	na	na
MANAGERS AND OFFICERS.....	3,640	9.05	5.61	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	11,200	27.90	na	na
Accountants and Auditors.....	800	1.99	4.83	46
Aeronautical Engineers.....	3,220	8.01	14.68	29
Chemists.....	40	.10	14.57	11
Commercial Artists.....	200	.49	11.32	20
Computer Programmers, Business..	170	.43	8.73	26
Computer Programmers, Scientific and Technical.....	130	.32	8.91	17
Drafters.....	310	.77	4.64	43
Electrical and Electronic Engineers.....	510	1.27	10.69	23
Electrical and Electronic Technicians.....	350	.86	15.94	26
Industrial Engineers.....	540	1.35	11.49	40
Mechanical Engineers.....	270	.67	9.61	26
Metallurgists and Metallurgical Engineers.....	30	.08	13.75	17
Personnel and Labor Relations Specialists.....	220	.53	11.22	31
Purchasing Agents and/or Buyers.	530	1.32	5.73	54
Statisticians.....	30	.07	22.69	11
Systems Analysts, Business.....	270	.67	8.50	26
Systems Analysts, Scientific and Technical.....	250	.60	4.00	14

Table 58 (Continued) Aircraft and Parts, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PROFESSIONAL AND TECHNICAL OCCUPATIONS (Continued)				
Tool Programmers, Numerical				
Control.....	70	.17	8.76	23
Writers and/or Editors.....	370	.92	8.84	23
All Other Engineering				
Technicians.....	380	.95	na	na
All Other Engineers.....	1,870	4.64	na	na
All Other Professional Workers..	590	1.47	na	na
All Other Technical Workers.....	50	.12	na	na
SERVICE OCCUPATIONS, TOTAL.....	1,000	2.48	na	na
Supervisors, Nonworking-Service.	70	.16	9.46	14
Guards and Doorkeepers.....	400	.98	3.74	20
Janitors, Porters, and Cleaners.	480	1.20	5.42	49
All Other Service Workers.....	50	.13	na	na
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	17,580	43.65	na	na
Supervisors, Nonworking.....	1,180	2.94	4.84	63
Aircraft Structure and Surfaces				
Assemblers, Class B.....	640	1.60	22.22	17
Assemblers, Class C.....	230	.56	22.34	23
Carpenters.....	70	.18	9.86	34
Dip Platers, Non-Electrolytic...	40	.10	14.35	11
Drill-Press and/or Boring				
Machine Operators.....	190	.46	12.01	23
Electrical and Electronic				
Assemblers, Class A.....	260	.65	15.68	11
Electrical and Electronic				
Assemblers, Class B.....	490	1.21	9.37	11
Electricians.....	180	.45	10.34	34
Electro-Mechanical Assemblers, Class B.....	220	.53	31.64	9
Electroplaters.....	110	.27	13.26	29
Fabricators, Plastics.....	70	.18	22.61	11
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	210	.51	15.51	20
Grinding and/or Abrading Machine Operators, Metal.....	230	.57	9.22	29
Heat Treaters, Annealers, and/or Temperers.....	70	.16	9.33	14

Table 58 (Continued) Aircraft and Parts, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Helpers, Trades.....	40	.09	18.56	17
Industrial Truck Operators.....	80	.19	13.75	14
Inspectors.....	1,460	3.61	2.11	69
Instrument Mechanics.....	100	.25	20.24	9
Laminators, Preforms.....	270	.67	10.26	14
Lathe and/or Turning Machine Operators.....	590	1.47	8.56	37
Lay-Out Markers, Metal.....	70	.16	5.79	14
Machine Assemblers, Class B.....	70	.16	27.77	9
Machine Tool Operators, Combination.....	460	1.13	47.19	37
Machine Tool Operators, Numerical Control.....	220	.53	18.10	23
Machine Tool Operators, Toolroom.....	100	.25	22.81	11
Machinists.....	300	.74	29.13	46
Maintenance Repairers, General Utility.....	70	.18	18.23	26
Mechanics, Aircraft.....	1,250	3.10	4.61	31
Mechanics, Automotive.....	50	.11	5.91	17
Mechanics, Maintenance.....	210	.51	4.64	26
Milling and/or Planing Machine Operators.....	630	1.57	30.17	26
Oilers.....	40	.09	9.51	11
Painters, Maintenance.....	50	.13	8.67	11
Painters, Production.....	380	.93	11.23	34
Patternmakers, Metal.....	150	.37	7.95	17
Plater Helpers.....	70	.18	11.92	17
Plumbers and/or Pipefitters.....	50	.13	14.23	9
Power Brake and/or Bending Machine Operators, Metal.....	50	.12	4.82	14
Production Packagers, Hand or Machine.....	90	.22	16.68	9
Punch-Press Operators, Metal.....	60	.14	17.27	17
Sawyers, Metal.....	40	.09	8.01	11
Sewing Machine Operators, Regular Equipment-Nongarment..	60	.13	30.45	14
Sheet Metal Workers.....	270	.66	24.11	26
Stationary Engineers.....	120	.29	4.25	14
Testers.....	190	.45	26.38	11

Table 58 (Continued) Aircraft and Parts, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Tool and Die Makers.....	470	1.17	15.21	46
Truck Drivers.....	90	.22	9.81	26
Welders and Flamecutters-A.....	120	.29	15.52	31
Welders and Flamecutters-B.....	70	.16	23.21	17
Welders and Flamecutters-C.....	80	.18	18.21	17
All Other Assemblers, Class A...	2,550	6.34	na	na
All Other Assemblers, Class B...	40	.10	na	na
All Other Mechanics and Repairers.....	130	.32	na	na
All Other Skilled Craftsmen and Kindred Workers.....	950	2.37	na	na
All Other Operatives and Semi- skilled Workers.....	930	2.32	na	na
All Other Laborers and Unskilled Workers.....	370	.90	na	na
CLERICAL OCCUPATIONS, TOTAL.....	6,650	16.49	na	na
Clerical Supervisors, Office or Plant.....	230	.56	23.16	29
Accounting Clerks.....	150	.36	10.41	37
Computer Operators.....	100	.23	5.15	26
File Clerks.....	80	.20	7.18	26
General Clerks, Office.....	730	1.81	20.53	43
Key punch Operators.....	160	.39	5.39	31
Payroll and/or Timekeeping Clerks.....	120	.30	8.03	31
Peripheral EDP Equipment Operators.....	30	.08	15.99	9
Personnel Clerks.....	100	.23	18.78	37
Procurement Clerks.....	70	.18	9.82	23
Production Clerks and/or Coordinators.....	890	2.20	2.09	46
Secretaries.....	790	1.95	7.77	77
Shipping and/or Receiving Clerks	90	.22	11.97	40
Shipping Packers.....	140	.34	14.43	20
Statistical Clerks.....	80	.20	10.47	14
Stenographers.....	660	1.63	3.17	20
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	840	2.08	3.88	40

Table 58 (Continued) Aircraft and Parts, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Switchboard Operators.....	60	.14	4.40	29
Typists.....	370	.91	7.78	49
All Other Office Machine Operators.....	140	.35	na	na
All Other Office Clerical Workers.....	680	1.68	na	na
All Other Plant Clerical Workers	140	.34	na	na
SALES OCCUPATIONS.....	170	.42	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Secretaries.....	77
Inspectors.....	69
Supervisors, Nonworking.....	63
Purchasing Agents and/or Buyers.....	54

Table 59
SIC 373
Ship and Boat Building and Repairing
Statewide

This group includes establishments primarily engaged in building and repairing all types of boats, ships, barges, and lighters, whether propelled by sail or motor power or towed by other craft. This industry also includes the conversion and alteration of ships. Excluded are primary manufacturers of rubber and nonrigid plastic boats; fabricators of structural assemblies or components for ships; and subcontractors engaged in ship painting, joinery, carpentry work, electrical wiring installation, etc.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	9,620	100.00	na	na
MANAGERS AND OFFICERS.....	540	5.61	17.13	94
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	380	3.90	na	na
Drafters.....	80	.80	4.19	23
Personnel and Labor Relations Specialists.....	30	.32	8.43	31
Purchasing Agents and/or Buyers. All Other Engineering Technicians.....	40	.39	15.24	46
All Other Professional and Technical Workers.....	30	.31	na	na
200	2.06	na	na	
SERVICE OCCUPATIONS, TOTAL.....	180	1.87	na	na
Guards and Doorkeepers.....	90	.90	0.00	23
Janitors, Porters, and Cleaners. All Other Service Workers.....	80	.81	26.77	37
2/				
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	7,880	81.93	na	na
Supervisors, Nonworking.....	450	4.68	7.68	60
Assemblers, Class C.....	300	3.15	39.86	29
Boilermakers.....	60	.66	10.02	9

Table 59 (Continued) Ship and Boat Building and Repairing, Statewide

Occupation	Estimated Empl.	% of Total Empl. 1/	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Carpenters.....	200	2.11	10.85	43
Crane, Derrick, and Hoist Operators.....	130	1.33	2.59	26
Electricians.....	210	2.22	1.70	34
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	70	.67	47.44	26
Helpers, Trades.....	510	5.26	10.56	37
Industrial Truck Operators.....	50	.47	0.00	14
Inspectors.....	50	.46	15.99	17
Laminators, Preforms.....	910	9.49	23.15	40
Lay-Out Markers, Metal.....	60	.61	0.00	11
Machinists.....	150	1.57	8.49	17
Mechanics, Maintenance.....	40	.39	34.39	17
Millwrights.....	150	1.59	9.92	14
Painters, Maintenance.....	60	.63	9.46	23
Painters, Production.....	190	1.98	12.25	49
Plumbers and/or Pipefitters.....	220	2.27	3.10	26
Riggers.....	130	1.39	0.00	11
Shipfitters.....	940	9.78	3.92	26
Truck Drivers.....	60	.61	20.04	31
Welders and Flamecutters-A.....	890	9.24	3.53	14
Welders and Flamecutters-B.....	650	6.78	16.87	37
Woodworking Machine Operators...	80	.84	47.36	17
All Other Mechanics and Repairers.....	90	.94	na	na
All Other Skilled Craftsmen and Kindred Workers.....	140	1.41	na	na
All Other Operatives and Semi- skilled Workers.....	510	5.30	na	na
All Other Laborers and Unskilled Workers.....	580	6.00	na	na
CLERICAL OCCUPATIONS, TOTAL.....	610	6.37	na	na
Accounting Clerks.....	40	.40	1.96	26
General Clerks, Office.....	120	1.28	26.33	49
Production Clerks and/or Coordinators.....	30	.34	0.00	11
Secretaries.....	90	.97	12.38	51

Table 59 (Continued) Ship and Boat Building and Repairing, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	110	1.17	9.03	49
All Other Office Clerical Workers.....	150	1.51	na	na
All Other Plant Clerical Workers	70	.68	na	na
SALES OCCUPATIONS, TOTAL.....	30	.31	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	30	.31	41.90	26

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	94
Supervisors, Nonworking.....	60
Secretaries.....	51
General Clerks, Office.....	49
Painters, Production.....	49
Stock Clerks-Stockroom, Warehouse, or Storage Yard...	49

SIC 38
Measuring, Analyzing, and Controlling Instruments;
Photographic, Medical, and Optical Goods; Watches and Clocks

Three hundred operating units employ approximately 18,000 workers (June 1977) in this total industry group. These employees are divided into three important divisions--Engineering and Research Instruments; Measuring and Controlling Instruments; and Surgical, Medical, and Dental Instruments (the latter being the only publishable division). These three main categories represent respective employment of 24, 23, and 24 percent.

In the Surgical, Medical, and Dental Instruments category, Class C Assemblers make up a significant percent of the total employment (24 percent). Manufacturers in this division have experienced a good demand for their products in spite of unstable economic conditions. Technological advances coupled with continuing health care needs and a large export market should prove promising for this segment of the industry. Even though employment has moderated in recent years it is expected to remain stable over the next decade.

Average Annual Employment for Measuring, Analyzing, and
Controlling Instruments; Photographic, Medical, and
Optical Goods; Watches and Clocks*

1975	17,300
1976	17,400
1977	18,000

*Source: Current Employment Statistics Program.

Table 60
SIC 384
Surgical, Medical, and Dental Instruments and Supplies
Statewide

This group includes establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus; orthopedic, prosthetic, and surgical appliances and supplies; and artificial teeth, dental metals, alloys and amalgams, and other dental equipment, instruments, and supplies.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	4,080	100.00	na	na
MANAGERS AND OFFICERS.....	380	9.28	8.65	84
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	410	9.95	na	na
SERVICE OCCUPATIONS, TOTAL.....	70	1.59	na	na
Janitors, Porters, and Cleaners.	70	1.59	20.59	24
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,740	67.12	na	na
Supervisors, Nonworking.....	70	1.62	18.13	24
Assemblers, Class C.....	990	24.20	14.66	20
Inspectors.....	30	.81	45.73	16
Machinists.....	40	.93	14.56	12
Production Packagers, Hand or Machine.....	120	3.02	13.35	16
All Other Skilled Craftsmen and Kindred Workers.....	510	12.40	na	na
All Other Operatives and Semi- skilled Workers.....	820	20.11	na	na
All Other Laborers and Unskilled Workers.....	160	4.03	na	na
CLERICAL OCCUPATIONS, TOTAL.....	430	10.78	na	na
Accounting Clerks.....	40	1.03	19.95	24
General Clerks, Office.....	70	1.81	35.18	56

Table 60 (Continued) Surgical, Medical, and Dental Instruments and Supplies, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Production Clerks and/or Coordinators.....	50	1.13	0.00	12
Secretaries.....	120	2.94	18.86	56
All Other Office Clerical Workers.....	120	3.05	na	na
All Other Plant Clerical Workers	30	.81	na	na
SALES OCCUPATIONS.....	50	1.13	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	84
General Clerks, Office.....	56
Secretaries.....	56

SIC 39 MISCELLANEOUS MANUFACTURING INDUSTRIES

A large number of specialized manufacturers are represented in Texas. The Miscellaneous Manufacturing category, as defined by the U. S. Department of Commerce, includes an astonishing diversity of products and accounts altogether for approximately 11,210 workers throughout 500 establishments.

Seventy-four percent of the total industry occupations are represented in two major groups--Toys and Amusement, Sporting, and Athletic Goods and Miscellaneous Manufacturing Industries. As of May 1977, these two groups reported 3,190 and 5,130 employees, respectively.

Following patterns of similar industries, a very high percentage of occupations fall in the Production and Maintenance category. In this case, almost 71 percent. Class C Assemblers make up the largest single occupational group with 12 percent of the total industry occupation.

The Miscellaneous Manufacturing Industries segment contributes a very small percentage to the total manufacturing employment in Texas, but the vast diversity of products and the corresponding demand should keep employment growing at a moderate pace through the mid-1980's.

Average Annual Employment for Miscellaneous Manufacturing Industries*

1975	10,400
1976	11,100
1977	11,200

*Source: Current Employment Statistics Program.

Table 61
SIC 39
Miscellaneous Manufacturing Industries
Statewide

This major group includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group. Industries in this group fall into the following categories: jewelry, silverware and plated ware; musical instruments; toys, sporting and athletic goods; pens, pencils, and other office and artists' materials; buttons, costume novelties, miscellaneous notions; brooms and brushes; caskets; and other miscellaneous manufacturing industries.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	11,210	100.00	na	na
MANAGERS AND OFFICERS.....	790	7.08	3.23	84
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	390	3.39	na	na
Accountants and Auditors.....	50	.42	13.84	13
Designers.....	90	.83	14.62	17
Drafters.....	70	.58	24.06	9
Purchasing Agents and/or Buyers.	80	.68	10.45	22
All Other Professional Workers..	60	.51	na	na
All Other Technical Workers.....	40	.37	na	na
SERVICE OCCUPATIONS, TOTAL.....	180	1.61	na	na
Janitors, Porters, and Cleaners.	140	1.26	7.31	23
All Other Service Workers.....	40	.35	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	7,910	70.65	na	na
Supervisors, Nonworking.....	200	1.74	5.62	28
Assemblers, Class A.....	130	1.13	17.38	5
Assemblers, Class B.....	490	4.42	29.77	12
Assemblers, Class C.....	1,370	12.26	11.01	21
Bench Hands, Jewelry.....	120	1.03	5.99	5
Cabinetmakers.....	40	.37	25.55	5
Casket Coverers and/or Casket Liners.....	70	.61	18.50	4
Compositors and/or Typesetters..	40	.33	17.84	6

Table 61 (Continued) Miscellaneous Manufacturing Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Compression and/or Injection Molding Machine Operators, Plastic.....	40	.35	37.26	3
Crane, Derrick, and Hoist Operators.....	100	.88	23.81	8
Decorators, Hand.....	140	1.23	44.96	7
Delivery and Route Workers.....	30	.28	32.61	6
Electricians.....	70	.58	32.49	5
Electroplaters.....	30	.26	4.79	4
Etchers and/or Engravers.....	120	1.11	13.65	10
Fabricators, Plastics.....	70	.60	25.87	8
Filers, Grinders, Buffers, Chippers, Cleaners, and/or Polishers.....	90	.77	3.78	5
Finishers, Hand.....	90	.78	24.90	5
Gluers and/or Cementers, Hand...	100	.85	32.61	6
Grinding and/or Abrading Machine Operators, Metal.....	250	2.27	9.34	9
Helpers, Trades.....	90	.82	18.42	6
Inspectors.....	130	1.12	1.53	8
Laminators, Preforms.....	30	.28	40.87	2
Maintenance Repairers, General Utility.....	100	.86	17.48	12
Metal Mold Makers.....	70	.66	7.29	3
Order Fillers.....	50	.46	12.42	8
Painters, Maintenance.....	40	.33	30.93	3
Painters, Production.....	320	2.86	14.89	25
Production Packagers, Hand or Machine.....	300	2.66	18.90	12
Ripsaw Operators.....	40	.34	11.82	4
Riveters, Light.....	40	.37	27.42	3
Sanders, Wood.....	50	.41	13.10	3
Screen Cutters and/or Makers, Nonphotographic.....	30	.29	32.21	3
Screen or Stencil Printers and/or Setters.....	90	.81	26.42	9
Sewing Machine Operators, Regular Equipment-Garment.....	70	.61	10.75	2
Sewing Machine Operators, Regular Equipment-Nongarment..	100	.90	26.80	6
Sewing Machine Operators, Special and/or Automatic Equipment-Garment.....	30	.29	38.68	2

Table 61 (Continued) Miscellaneous Manufacturing Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Sewing Machine Operators, Special and/or Automatic Equipment-Nongarment.....	60	.57	15.72	7
Sheet Metal Workers.....	150	1.35	11.02	14
Stone Setters.....	40	.37	7.15	6
Truck Drivers.....	60	.52	12.77	11
Vulcanizers, Rubber Plate.....	40	.38	14.75	6
Wax Pattern Workers.....	390	3.44	9.37	8
Welders and Flamecutters.....	110	1.02	17.03	12
Wood-Carving Machine Operators..	30	.29	13.29	3
Wood Machinists.....	30	.26	13.49	3
Woodworking Machine Operators...	50	.41	11.73	5
All Other Skilled Craftsmen and Kindred Workers.....	370	3.31	na	na
All Other Operatives and Semi- skilled Workers.....	720	6.42	na	na
All Other Laborers and Unskilled Workers.....	690	6.14	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,540	13.69	na	na
Clerical Supervisors, Office or Plant.....	60	.50	10.20	9
Accounting Clerks.....	90	.81	7.20	21
Bookkeepers, Hand.....	60	.57	11.71	19
General Clerks, Office.....	230	2.01	6.67	29
Order Clerks.....	60	.53	7.13	8
Payroll and/or Timekeeping Clerks.....	40	.39	10.78	12
Production Clerks and/or Coordinators.....	120	1.02	7.43	14
Secretaries.....	190	1.67	8.42	34
Shipping and/or Receiving Clerks.....	90	.78	11.89	18
Shipping Packers.....	250	2.27	8.49	25
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	90	.76	8.63	13
Typists.....	50	.47	9.40	10
All Other Clerical Workers.....	210	1.85	na	na

Table 61 (Continued) Miscellaneous Manufacturing Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	400	3.56	na	na
Sales Clerks.....	100	.91	18.07	7
Sales Representatives, Sales Agents, and/or Sales Associates.....	300	2.65	5.83	32

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	84
Secretaries.....	34
Sales Representatives, Sales Agents, and/or Sales Associates.....	32
General Clerks, Office.....	29
Supervisors, Nonworking.....	28

Table 62
SIC 39
Miscellaneous Manufacturing Industries
Dallas-Fort Worth SMSA

This major group includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group. Industries in this group fall into the following categories: jewelry, silverware and plated ware; musical instruments; toys, sporting and athletic goods; pens, pencils, and other office and artists' materials; buttons, costume novelties, miscellaneous notions; brooms and brushes; caskets; and other miscellaneous manufacturing industries.

Occupation	Estimated Empl.	% of Total Empl. <u>1/</u>	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	4,440	100.00	na	na
MANAGERS AND OFFICERS.....	310	6.97	6.17	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	180	4.01	na	na
Accountants and Auditors.....	30	.72	17.20	25
Designers.....	30	.72	20.07	20
Drafters.....	30	.61	18.29	11
Purchasing Agents and/or Buyers.	50	1.04	15.96	31
All Other Professional and Technical Workers.....	40	.91	na	na
SERVICE OCCUPATIONS, TOTAL.....	70	1.49	na	na
Janitors, Porters, and Cleaners.	50	1.20	8.98	28
All Other Service Workers.....	<u>2/</u>			
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	3,080	69.68	na	na
Supervisors, Nonworking.....	80	1.81	9.23	28
Assemblers, Class B.....	200	4.48	29.09	12
Assemblers, Class C.....	630	14.16	8.24	22
Crane, Derrick, and Hoist Operators.....	40	.79	39.86	11
Etchers and/or Engravers.....	30	.77	10.00	9
Fabricators, Plastics.....	30	.63	21.73	9
Gluers and/or Cementers, Hand...	30	.74	25.98	11

Table 62 (Continued) Miscellaneous Manufacturing Industries, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. _{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Grinding and/or Abrading Machine Operators, Metal.....	80	1.90	22.51	11
Inspectors.....	60	1.24	0.00	5
Maintenance Repairers, General Utility.....	70	1.47	25.35	20
Order Fillers.....	30	.67	16.02	11
Painters, Production.....	150	3.46	16.00	26
Production Packagers, Hand or Machine.....	60	1.40	10.20	14
Ripsaw Operators.....	30	.77	13.21	9
Riveters, Light.....	40	.86	29.82	6
Sanders, Wood.....	30	.74	0.00	5
Screen Cutters and/or Makers, Nonphotographic.....	30	.61	38.17	5
Screen or Stencil Printers and/or Setters.....	40	.88	24.77	14
Sheet Metal Workers.....	60	1.38	22.47	11
Vulcanizers, Rubber Plate.....	30	.67	19.90	6
Wax Pattern Workers.....	30	.70	45.51	5
Welders and Flamecutters.....	60	1.42	28.02	14
Wood Carving Machine Operators..	30	.56	4.05	5
All Other Skilled Craftsmen and Kindred Workers.....	190	4.39	na	na
All Other Operatives and Semi-skilled Workers.....	640	14.53	na	na
All Other Laborers and Unskilled Workers.....	380	8.60	na	na
CLERICAL OCCUPATIONS, TOTAL.....	630	14.12	na	na
Accounting Clerks.....	50	1.11	8.33	29
Bookkeepers, Hand.....	30	.56	19.60	23
General Clerks, Office.....	60	1.42	14.84	25
Order Clerks.....	30	.70	4.36	12
Secretaries.....	100	2.15	13.58	38
Shipping and/or Receiving Clerks	50	1.15	18.13	20
Shipping Packers.....	120	2.74	14.75	31
Stock Clerks-Stockroom, Warehouse, or Storage Yard.....	30	.65	10.47	15
All Other Clerical Workers.....	160	3.62	na	na

Table 62 (Continued) Miscellaneous Manufacturing Industries, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	170	3.73	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	160	3.55	6.25	38
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF
ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	83
Sales Representatives, Sales Agents, and/or Sales Associates.....	38
Secretaries.....	38

Table 63
SIC 394
Toys and Amusement, Sporting, and Athletic Goods
Statewide

This group includes establishments primarily engaged in manufacturing dolls, doll parts, doll clothing, and stuffed toy animals; games, toys, and children's vehicles; and sporting and athletic goods, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,190	100.00	na	na
MANAGERS AND OFFICERS.....	190	5.86	6.23	91
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	50	1.47	na	na
SERVICE OCCUPATIONS.....	40	1.19	na	na
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	2,520	79.33	na	na
Supervisors, Nonworking.....	60	1.91	9.75	45
Assemblers, Class C.....	1,030	32.37	14.09	52
Compression and/or Injection Molding Machine Operators, Plastic.....	30	1.03	45.16	9
Finishers, Hand.....	70	2.10	30.43	12
Gluers and/or Cementers, Hand...	80	2.54	37.77	21
Grinding and/or Abrading Machine Operators, Metal.....	60	1.85	13.38	9
Inspectors.....	70	2.07	0.00	9
Maintenance Repairers, General Utility.....	40	1.34	37.66	18
Painters, Production.....	110	3.54	35.28	30
Sanders, Wood.....	30	1.00	17.61	9
All Other Skilled Craftsmen and Kindred Workers.....	120	3.76	na	na
All Other Operatives and Semi- skilled Workers.....	630	19.89	na	na
All Other Laborers and Unskilled Workers.....	190	5.90	na	na

Table 63 (Continued) Toys and Amusement, Sporting, and Athletic Goods, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	320	10.07	na	na
General Clerks, Office.....	60	1.94	16.01	42
Secretaries.....	40	1.25	14.50	33
Shipping and/or Receiving Clerks	40	1.28	13.91	33
Shipping Packers.....	70	2.03	14.17	36
All Other Office Clerical Workers.....	80	2.54	na	na
All Other Plant Clerical Workers	30	1.00	na	na
SALES OCCUPATIONS, TOTAL.....	70	2.07	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....*	60	2.00	10.99	21
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	91
Assemblers, Class C.....	52
Supervisors, Nonworking.....	45
General Clerks, Office.....	42
Shipping Packers.....	36

Table 64
SIC 399
Miscellaneous Manufacturing Industries
Statewide

This industry includes establishments primarily engaged in manufacturing brooms and brushes; electrical, mechanical, cutout, or plate signs and advertising displays; burial caskets and cases; linoleum, asphalted-felt-base, and other hard surface floor coverings, not elsewhere classified; and miscellaneous fabricated products, not elsewhere classified.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,130	100.00	na	na
MANAGERS AND OFFICERS.....	430	8.36	4.88	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	230	4.62	na	na
Accountants and Auditors.....	30	.58	18.72	15
Designers.....	60	1.13	14.33	20
Drafters.....	60	1.19	25.55	13
Purchasing Agents and/or Buyers.	50	1.05	13.12	26
All Other Professional and Technical Workers.....	30	.66	na	na
SERVICE OCCUPATIONS, TOTAL.....	70	1.28	na	na
Janitors, Porters, and Cleaners.	70	1.28	13.28	25
PRODUCTION, MAINTENANCE, CONSTRUC- TION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL	3,510	68.20	na	na
Supervisors, Nonworking.....	70	1.28	11.84	25
Assemblers, Class B.....	120	2.41	19.68	13
Assemblers, Class C.....	180	3.51	19.73	13
Cabinetmakers.....	30	.58	31.65	6
Casket Coverers and/or Casket Liners.....	70	1.34	18.50	7
Crane, Derrick, and Hoist Operators.....	100	1.93	23.81	15
Electricians.....	60	1.11	37.05	7

Table 64 (Continued) Miscellaneous Manufacturing Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ¹ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
PRODUCTION, MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Etchers and/or Engravers.....	40	.79	39.10	4
Fabricators, Plastics.....	50	.99	20.16	13
Helpers, Trades.....	90	1.67	19.70	10
Maintenance Repairers, General Utility.....	40	.72	11.84	11
Painters, Maintenance.....	40	.72	30.93	6
Painters, Production.....	200	3.97	12.80	36
Production Packers, Hand or Machine.....	190	3.68	6.96	13
Screen Cutters and/or Makers, Nonphotographic.....	30	.64	32.21	5
Screen or Stencil Printers and/or Setters.....	90	1.77	26.42	16
Sewing Machine Operators, Regular Equipment-Garment.....	70	1.34	10.75	3
Sewing Machine Operators, Regular Equipment-Nongarment..	60	1.17	21.74	7
Sewing Machine Operators, Special and/or Automatic Equipment-Nongarment.....	50	.91	21.28	11
Sheet Metal Workers.....	110	2.10	15.41	23
Truck Drivers.....	40	.81	17.14	12
Wax Pattern Workers.....	300	5.83	10.94	9
Welders and Flamecutters.....	80	1.63	21.78	16
All Other Skilled Craftsmen and Kindred Workers.....	180	3.51	na	na
All Other Operatives and Semi- skilled Workers.....	790	15.40	na	na
All Other Laborers and Unskilled Workers.....	430	8.29	na	na
CLERICAL OCCUPATIONS, TOTAL.....	640	12.71	na	na
Accounting Clerks.....	50	1.01	11.83	19
Bookkeepers, Hand.....	40	.76	17.00	19
General Clerks, Office.....	40	.85	18.89	19
Production Clerks and/or Coordinators.....	30	.66	25.06	19
Secretaries.....	110	2.14	12.83	33
Shipping Packers.....	110	2.18	16.97	19

Table 64 (Continued) Miscellaneous Manufacturing Industries, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
All Other Office Clerical Workers.....	210	4.09	na	na
All Other Plant Clerical Workers	50	.99	na	na
SALES OCCUPATIONS, TOTAL.....	250	4.68	na	na
Sales Clerks.....	70	1.26	22.03	7
Sales Representatives, Sales Agents, and/or Sales Associates.....	180	3.41	8.80	37

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	83
Sales Representatives, Sales Agents, and/or Sales Associates.....	37
Painters, Production.....	36
Secretaries.....	33
Purchasing Agents and/or Buyers.....	26

GLOSSARY OF TERMS

Benchmark Employment: A term which is used to identify specific employment figure(s) which existed at a particular point in time. In the OES survey program, the term benchmark is used in two ways: (1) It is the establishment or industry employment that existed at the time the sample was designed. (2) When estimates are made, it is used again to refer to the total universe employment for each estimating cell as of the reference date of the survey.

Current Employment Statistics Program: A cooperating program between the Bureau of Labor Statistics of the Department of Labor and the participating states. The primary objective of the program is the preparation of current monthly estimates, from sampled employers, of nonagricultural employment, hours of work and earnings.

ES-202: A quarterly listing of employment and contributions of all firms covered under the unemployment insurance laws of Texas. From this listing, the Manufacturing sample was selected.

Establishment: An economic unit which produces goods or services, for example: a consulting service, a factory, or a store. In most instances, each establishment is a single physical location and is engaged in one predominate type of economic activity for which an industry code is applicable. Establishments are also referred to as reporting units.

Estimating Cell: One size class in one industry.

Sample Weight: A numerical value that is assigned to an establishment during the sample selection. For example, if an establishment has an occupational employment of 25 and a weight of three, then for estimating purposes, the 25 employment will have a representation of 75 (3×25).

Sampling Error: The difference between data obtained from a sample and data which would have been obtained if the same survey methods were applied to collecting identical information from the entire population.

Sampling Frame: The sampling units actually available to sample.

Sampling Units: The establishments selected randomly from the universe.

Size Class: The stratification of an industry by employment. For example, establishments with employment of 10-19 would be in one size class, and those with employment of 20-49 would be in another size class, etc.

Standard Industrial Classification (SIC): A grouping of establishments primarily engaged in the same or similar lines of economic activity. In the Manufacturing division, the line of activity is generally defined as any function that excludes Government, Nonmanufacturing, Regulated Industries, and Trade. Throughout this report, SIC's are correlated with a significant numerical designation. For example, SIC 20 is Food and Kindred Products, SIC 25 is Furniture and Fixtures, etc.

Standard Metropolitan Statistical Area (SMSA): Includes a city (cities) of specified population which constitutes the central city and the county (counties) in which it is located. A Standard Metropolitan Statistical Area also includes contiguous counties and may also cross state lines. In New England, Standard Metropolitan Statistical Areas are composed of cities and towns instead of counties.

Universe: Total amount of establishments or units covered under the Texas Employment Security Law.

Usable Response: All receipts which, after initial classification and schedule review, are judged to contain usable OES data.

BIBLIOGRAPHY

Dallas Morning News, Texas Almanac, Dallas: A. H. Belo Corporation, 1978 and 1979.

Executive Office of the President/Office of Management and Budget, Standard Industrial Classification Manual, 1972, Washington, D.C.: U. S. Government Printing Office.

United States Department of Labor, Occupational Outlook Handbook, 1978-1979 Edition, Washington, D. C.: U. S. Government Printing Office.

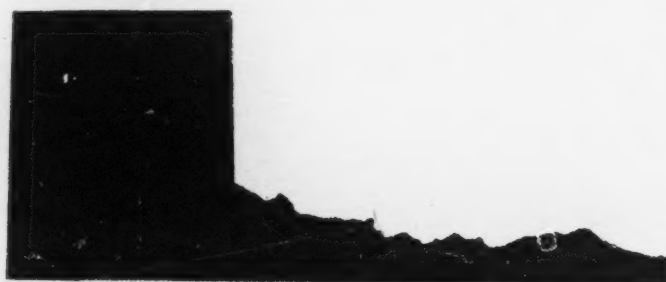
University of Texas at Austin, Bureau of Business Research, Atlas of Texas, 1976.

1/15/80

acc

57675-1.2.1

**TEXAS
OCCUPATIONAL
EMPLOYMENT
STATISTICS**



**INDUSTRY STAFFING PATTERNS
FOR SELECTED
NONMANUFACTURING INDUSTRIES**



TEXAS EMPLOYMENT COMMISSION
In cooperation with the U.S. Department of Labor
Bureau of Labor Statistics and the Employment
and Training Administration

TEXAS OCCUPATIONAL EMPLOYMENT STATISTICS

**INDUSTRY STAFFING PATTERNS
FOR SELECTED
NONMANUFACTURING INDUSTRIES**

2nd QUARTER 1978

**Prepared by
Texas Employment Commission
Economic Research and Analysis
TEC Building
Austin, Texas 78778**



Issued December 1979

PREFACE

We would like to express our appreciation to all the employers who willingly contributed their time and effort in completing and submitting the questionnaires as we requested. Their cooperation is what made this report possible. The statistical data contained in this report was compiled from the information received from employers' responses. To each of these respondents we extend a sincere thank you.

Another contribution that we feel was invaluable to our endeavor was made by the staff of the U. S. Department of Labor and the Bureau of Labor Statistics Regional Office in Dallas.

TABLE OF CONTENTS

	Page
Preface.....	iii
Introduction.....	1
Methodology.....	3
Considerations of the Uses of the Estimates.....	5
Staffing Patterns for Selected Industries.....	7
Industry Characteristics.....	9
Table 1 SIC 60, Banking, Statewide.....	11
Table 2 SIC 60, Banking, Austin SMSA.....	14
Table 3 SIC 60, Banking, El Paso SMSA.....	16
Table 4 SIC 60, Banking, Beaumont-Port Arthur-Orange SMSA.	18
Table 5 SIC 60, Banking, San Antonio SMSA.....	20
Table 6 SIC 60, Banking, Corpus Christi SMSA.....	22
Table 7 SIC 602, Commercial and Stock Savings Banks, Statewide.....	24
Table 8 SIC 61, Credit Agencies Other Than Banks, Austin SMSA.....	27
Table 9 SIC 61, Credit Agencies Other Than Banks, San Antonio SMSA.....	28
Table 10 SIC 612, Savings and Loan Associations, Statewide.	30
Table 11 SIC 616, Mortgage Bankers and Brokers, Statewide..	32

TABLE OF CONTENTS (CONTINUED)

	Page
Staffing Patterns for Selected Industries (Continued)	
Table 12 SIC 62, Security and Commodity Brokers, Dealers, Exchanges, and Services, Statewide.....	34
Table 13 SIC 62, Security and Commodity Brokers, Dealers, Exchanges, and Services, Dallas-Fort Worth SMSA.	36
Table 14 SIC 621, Security Brokers, Dealers, and Flotation Companies, Statewide.....	38
Table 15 SIC 63, Insurance, Statewide.....	40
Table 16 SIC 63, Insurance, Austin SMSA.....	43
Table 17 SIC 63, Insurance, Dallas-Fort Worth SMSA.....	45
Table 18 SIC 63, Insurance, San Antonio SMSA.....	48
Table 19 SIC 631, Life Insurance, Statewide.....	50
Table 20 SIC 632, Accident and Health Insurance and Medical Service Plans, Statewide.....	52
Table 21 SIC 636, Title Insurance, Statewide.....	54
Table 22 SIC 72, Personal Services, San Antonio SMSA.....	56
Table 23 SIC 721, Laundry, Cleaning, and Garment Services, Statewide.....	59
Table 24 SIC 726, Funeral Service and Crematories, Statewide.....	62
Table 25 SIC 732, Consumer Credit Reporting Agencies, Mercantile Reporting Agencies, and Adjustment and Collection Agencies, Statewide.....	64
Table 26 SIC 78, Motion Pictures, Statewide.....	66
Table 27 SIC 78, Motion Pictures, Dallas-Fort Worth SMSA...	68
Table 28 SIC 78, Motion Pictures, Houston SMSA.....	70

TABLE OF CONTENTS (CONTINUED)

	Page
Staffing Patterns for Selected Industries (Continued)	
Table 29 SIC 783, Motion Picture Theaters, Statewide.....	72
Table 30 SIC 80, Health Services, Corpus Christi SMSA.....	74
Table 31 SIC 808, Outpatient Care Facilities, Statewide....	76
Table 32 SIC 81, Legal Services, Austin SMSA.....	78
Table 33 SIC 81, Legal Services, Houston SMSA.....	80
Table 34 SIC 81, Legal Services, San Antonio SMSA.....	82
Table 35 SIC 83, Social Services, Statewide.....	83
Table 36 SIC 83, Social Services, Austin SMSA.....	86
Table 37 SIC 83, Social Services, Dallas-Fort Worth SMSA...	88
Table 38 SIC 83, Social Services, El Paso SMSA.....	91
Table 39 SIC 83, Social Services, San Antonio SMSA.....	93
Table 40 SIC 832, Individual and Family Social Services, Statewide.....	95
Table 41 SIC 833, Job Training and Vocational Rehabilita- tion Services, Statewide.....	97
Table 42 SIC 836, Residential Care, Statewide.....	99
Table 43 SIC 86, Membership Organizations, Austin SMSA.....	102
Table 44 SIC 86, Membership Organizations, Dallas- Fort Worth SMSA.....	104
Table 45 SIC 86, Membership Organizations, San Antonio SMSA	106
Table 46 SIC 864, Civic, Social, and Fraternal Associa- tions, Statewide.....	108
Table 47 SIC 89, Miscellaneous Services, Austin SMSA.....	110

TABLE OF CONTENTS (CONTINUED)

	Page
Staffing Patterns for Selected Industries (Continued)	
Table 48 SIC 893, Accounting, Auditing, and Bookkeeping Services, Statewide.....	112
Glossary of Terms.....	115
Bibliography.....	117

INTRODUCTION

The Occupational Employment Statistics (OES) Program is a part of a Federal-State Cooperative Program involving State Employment Security Agencies in conjunction with the Employment Training Administration and the Bureau of Labor Statistics. The Program furnishes current estimates of industry staffing patterns by occupation through periodic surveys of the nonfarm wage and salary sector of the economy. Texas has been involved in this Program since 1974 and is one of 46 participating states.

The OES Program is designed to: (1) provide accurate profiles of occupational resources by industry and trends in the number of workers employed by occupation, (2) aid in projections of future manpower requirements by industry and occupation, and (3) identify emerging and disappearing occupations. This information will help in the development of educational and training programs and will also provide valuable information for employment counselors and manpower planners. Data is generated to show the occupational profile of selected industry groups so that individual firms will be able to compare their occupational staffing patterns to that of the industry of which they are a part. This data will later be used to refine and modify the worker-demand projections generated through the occupation-by-industry Matrix Program.

This report represents Nonmanufacturing data collected during the survey period. All respondents were requested to include employment data for the appropriate survey month--April 12, May 12, or June 12 of 1978.

This publication, and others of its type to follow, will be continually updated, as well as improved, to provide a better basis for decision-making at all levels of human resource planning and development.

METHODOLOGY

The Sample

The Third Quarter 1977 Report of Employment, Wages and Contributions Covered by the Texas Unemployment Compensation Act was used as a sampling frame for the Occupational Employment Statistics Survey of Non-manufacturing Establishments.

The sampling frame was stratified by three-digit (in some cases two-digit) SIC (Standard Industrial Classification) codes and by nine employment size groups and was then collapsed to seven classes of employment: 1-9, 10-19, 20-49, 50-99, 100-249, 250-499, and 500 plus. Establishments with over 250 employment were automatically included in a separate size class and were picked with certainty. All other establishments were subject to sample selection on a random basis, with the units in larger size classes having a proportionately higher chance of selection. Each unit was given a weight according to the proportion of firms selected in each size class. The sample included 20,867 establishments with a represented benchmark employment of 1,408,058.

Sampling Error

The sampling error is an arithmetic measure of the precision of the estimate. It can be considered as the difference between the estimate computed from the sample and the results that would have been obtained if the same methods were used to collect identical information from the universe (all available establishments). The relative errors listed in this report are the absolute sampling errors of each occupation expressed as a percent of that occupational estimate. This measure of precision is on the same base, a percentage comparison. The relative errors shown in this report are such that the chances are two out of three (68 percent) that the results of such a complete survey of all firms would not differ by plus or minus one relative standard error from the OES occupational estimates, and an interval of two relative standard errors will yield a 95 percent confidence level. For example, the OES estimate of employment in the Austin SMSA Banking Industry (SIC 60) for the number of tellers employed was 500 with a relative standard error of 2.52 percent. The chances are two out of three that the true number of workers employed in that occupation at the time of the survey was between 487 and 513 ($500 \pm .0252 \times 500$), and we may be 95 percent certain that the true number fell between 475 and 525 ($500 \pm 2 \times .0252 \times 500$). The relative standard error allows the user to judge, with a given degree of confidence, the quality of any particular occupational estimate. It is a measure of the relative dispersion

within the data collected, and indicates the occupational coefficient of variation of the population from which the sample was drawn.

Nonsampling Error

A survey of this magnitude is going to have a small degree of nonsampling error. Examples of these errors are faulty questionnaire design, inaccuracy of data furnished, ineffective processing, and nonresponse. The possibility of errors in the design of and the data furnished by the questionnaires, as well as errors in processing, was recognized from the start of the survey. Every effort was exercised to avoid and control them. The nonresponse area was handled to a large degree by the built-in variables of the sampling and estimating process. This process takes into consideration that the occupational distribution of the non-reporting sample unit in a given three-digit employment size class is the same as among the reporting establishments of that size class.

Estimating Procedure

A ratio method, an established statistical procedure, was used throughout the report. Any given size class of any given industry represents an estimating cell. All establishments in a given cell are assigned a sample weight which is the inverse of the sampling ratio. There is a direct relationship between employment and the number of units within a size class to determine the ratio, or the probability of sample selection. The employment for any specific occupation in each establishment is inflated by its sample weight and summed for all sample establishments in the cell. A ratio is then derived of the weighted employment for each occupation to the weighted reported total employment. This ratio is then multiplied by the benchmark employment for that estimating cell as of the appropriate survey month--April 12, May 12, or June 12 of 1978, thus yielding the occupational make-up of the estimating cell for that date. Like occupational employments are summed across all employment size classes within each three-digit SIC to arrive at a total industry employment for each occupation. Two-digit estimates of occupational employment were derived by summing estimates across three-digit SIC industries.

Collection Procedures

The majority of the data was collected by mail. Survey operations included an initial mail out and two follow-ups to nonrespondents (in some cases three, where nonresponse was a critical factor). The telephone was used extensively to clarify information, handle critical nonresponse areas, and prompt small and medium-sized respondents to furnish survey data.

CONSIDERATIONS OF THE USES OF THE ESTIMATES

Relative Error

Relative error is a measure of precision and expresses the absolute sampling error of an estimate as a percentage of that estimate. From an accuracy standpoint, the higher the relative error - the less accurate the estimate. If relative errors exceeded fifty percent, the employment from these occupations was merged with the employment of the "all other" residual category that was relevant to them.

Throughout the tables, it should be noted that the relative error is computed only for specific occupations and not for residual categories nor for occupational groupings. These are noted by "na" (not applicable).

Rounding Errors and Occupations With Employment Less Than Thirty

All percentage estimates were carried out to two decimal places with the exception of the percent of establishments reporting the occupation. These percentages were rounded to the nearest whole number.

In each SIC (Standard Industrial Classification), many more occupations were surveyed than are actually shown in the tables. Occupations which had employment of less than thirty were suppressed, and their employment was added to the residual category for their major occupational group.

Industrial Classification With Statewide Employment of Less Than Three Thousand and Area Employment of Less Than One Thousand

Some of the industry groups surveyed had an insignificant amount of estimated employment--statewide less than three thousand, and areas less than one thousand. In order for the user to have meaningful occupational staffing patterns, the industry was suppressed or collapsed to the major two-digit industry group totals.

STAFFING PATTERNS FOR SELECTED INDUSTRIES	

INDUSTRY CHARACTERISTICS

HIGHLIGHTS OF SURVEY FINDINGS

The industry tables in this publication represent industry employment data divided into the major occupational categories: (1) Managers and Officers, (2) Professional and Technical Occupations, (3) Service Occupations, (4) Maintenance, Construction, Repair, Material Handling, and Powerplant Occupations, (5) Clerical Occupations, and (6) Sales Occupations. Even though most of these major occupational categories are represented in each industry, the distribution of employment among the occupational groups varies widely from industry to industry. The following information is for total statewide employment for each occupational category.

Managers and Officers - This category includes persons concerned with management functions common to many types of organizations, as well as occupations which require a knowledge of management and operations of a given organization. Managers and Officers account for only a small percentage (6 to 10 percent) in some of the personal services to as high as 20 percent in SIC 60 (Banking).

Professional and Technical Occupations - While there is a difference between Professional Occupations and Technical Occupations, for publication purposes, they are combined into a single group. Professional Occupations include persons concerned with the theoretical aspects of such fields as science, engineering, medicine, law, and business relations. Most of these occupations require substantial educational preparation, usually at the university level. Technical Occupations include persons actually engaged in technical work, utilizing theoretical knowledge of fundamental scientific, engineering, mathematical, computer programming, or draft design principals, comparable to those acquired through study at technical institutes, junior colleges, or other formal post-high school training less extensive than a four-year college course, or through equivalent on-the-job training or experience. Professional and Technical Occupations are only a small percentage of total employment in the industries surveyed, but are numerically important in several industries. Accountants and Auditors represent a significant portion (44 percent) of total employment in SIC 893 (Accounting, Auditing, and Bookkeeping Services). Business Computer Programmers, an important professional occupation, are found in most of the larger surveyed industries.

Service Occupations - This major occupational category includes workers in occupations concerned with the performance of services for persons that require either direct contact or close association with the individual; occupations concerned with preparing and serving food and beverages; and occupations related to the cleaning of the interior and equipment of buildings, offices, stores, and similar places. Service Occupations appear in nearly all industries and range from less than 0.5 percent of total employment in SIC 893 (Accounting, Auditing, and Bookkeeping Services) to

58 percent in SIC 836 (Residential Care). Numerically important occupations in this major category are Janitors, Porters, and Cleaners; Food Service Workers; Nurse Aides; and Child-Care Workers.

Maintenance, Construction, Repair, Material Handling, and Powerplant Occupations - Occupations in this group include all skilled, semiskilled, and unskilled workers performing machine and manual tasks involving maintenance, construction, repair, material handling, powerplant, mining, and processing occupations. While employment in this category did not appear in all industries surveyed, it was represented in a majority of them. The highest percentage (67 percent) of Maintenance and Production workers was in SIC 721 (Laundry, Cleaning, and Garment Services).

Clerical Occupations - These occupations include persons whose work involves preparing, transcribing, transferring, systematizing, and preserving communications and records; collating accounts and distributing information. Also involved in this category are clerical workers involved in planning, coordinating, or expediting production and the flow of work; and workers involved in the clerical aspects of receiving, storing, issuing, or shipping of materials, merchandise, supplies, or equipment. Though Clerical Occupations occur in all industries in this survey, they are especially important in SIC 60 (Banking) and SIC 63 (Insurance) where they account for 70 and 53 percent of the total employment, respectively. Some of the numerically important Clerical Occupations in the Banking and Insurance Industries are Tellers, Secretaries, General Clerks, Claim Examiners, and Accounting Clerks.

Sales Occupations - Included in this final major occupational group are Sales Representatives, defined as persons wholly or primarily concerned with selling when knowledge of the goods or services sold is required. Also included are Sales Clerks who sell any of a large variety of goods or services usually inexpensive and not requiring much more knowledge of the goods or services than the price. The largest group of Sales people in the industries surveyed is in the Insurance Industry--Sales Agents and Sales Representatives. Sales Clerks are found in many of the industries, with no strong concentration in any segment.

NONPUBLISHED EMPLOYMENT ESTIMATES

Not all industries included in the survey are contained in this publication. This exclusion can be attributed to one or more of the following reasons: (1) an individual respondent could be identified if data were published, (2) employment in a specific industry or industry group was less than that required for the development of occupational employment estimates, and/or (3) response in a given industry or industry group was less than that required for the development of occupational employment estimates.

Table 1
SIC 60
Banking
Statewide

This major group includes institutions which are engaged in deposit banking or closely related functions, including fiduciary activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	75,040	100.00	na	na
MANAGERS AND OFFICERS.....	15,060	20.06	4.16	99
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	3,470	4.62	na	na
Accountants and Auditors.....	800	1.06	15.26	36
Appraisers, Real Estate.....	110	.13	40.08	12
Budget Analysts.....	70	.09	24.23	11
Computer Programmers.....	200	.26	16.59	16
Credit Analysts.....	560	.74	20.41	28
Credit Analysts, Chief.....	140	.19	21.30	18
Financial Analysts.....	130	.17	30.68	10
Personnel and Labor Relations Specialists.....	200	.27	17.50	23
Public Relations Practitioners..	410	.53	20.42	31
Purchasing Agents and/or Buyers.	120	.15	20.14	19
Systems Analysts, Electronic Data Processing.....	160	.20	43.80	11
All Other Professional Workers..	390	.52	na	na
All Other Technical Workers.....	180	.23	na	na
SERVICE OCCUPATIONS, TOTAL.....	2,780	3.70	na	na
Food Service Workers.....	290	.38	22.69	16
Guards and Doorkeepers.....	1,010	1.34	13.95	30
Janitors, Porters, and Cleaners.	1,220	1.63	20.84	47
All Other Service Workers.....	260	.34	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	700	.94	na	na
Supervisors, Nonworking.....	100	.12	36.01	7
Maintenance Repairers, General Utility.....	280	.37	39.34	17

Table 1 (Continued) Banking, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	130	.18	na	na
All Other Operatives and Semi- skilled Workers.....	150	.20	na	na
All Other Laborers and Unskilled Workers.....	40	.06	na	na
CLERICAL OCCUPATIONS, TOTAL.....	52,730	70.27	na	na
Clerical Supervisors, Office or Plant.....	2,240	2.98	15.13	56
Accounting Clerks.....	1,490	1.99	20.72	53
Adjustment Clerks.....	420	.55	25.39	25
Bookkeeping and/or Billing Machine Operators.....	940	1.25	31.65	21
Bookkeepers, Hand.....	1,730	2.31	27.98	34
Cashiers.....	70	.09	48.22	6
Checking Clerks, Bank Records...	590	.78	20.36	22
Coin Machine Operators and/or Currency Sorters.....	240	.31	20.97	21
Collectors.....	930	1.24	12.25	48
Computer Operators.....	570	.75	27.75	21
Credit Clerks.....	1,690	2.25	19.13	61
Credit Reporters.....	330	.43	24.86	24
File Clerks.....	1,570	2.09	18.48	46
General Clerks, Office.....	4,030	5.36	13.03	44
Insurance Clerks.....	380	.51	32.86	30
Key punch Operators.....	490	.65	14.58	21
Loan Closers.....	700	.93	22.38	27
Mail Clerks.....	760	1.01	14.49	49
Messengers.....	320	.41	20.54	27
Messengers, Bank.....	130	.17	21.86	16
Mortgage Closing Clerks.....	150	.20	27.08	14
New-Accounts Tellers.....	1,750	2.33	11.29	79
Order Clerks.....	70	.09	30.83	9
Payroll and/or Timekeeping Clerks.....	150	.20	16.68	25
Peripheral EDP Equipment Operators.....	180	.24	43.84	9
Personnel Clerks.....	220	.28	25.34	25
Proof Machine Operators.....	2,400	3.19	7.72	85
Receptionists.....	560	.74	23.40	31
Safe-Deposit Clerks.....	470	.62	14.61	48

Table 1 (Continued) Banking, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Secretaries.....	5,420	7.22	5.26	89
Sorting Clerks, Bank.....	300	.40	35.83	13
Statement Clerks.....	2,210	2.94	17.61	65
Statistical Clerks.....	80	.10	38.09	8
Stenographers.....	210	.28	35.55	11
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	60	.08	29.16	9
Switchboard Operator- Receptionists.....	280	.37	24.44	30
Switchboard Operators.....	680	.90	16.10	52
Tellers.....	14,330	19.09	5.35	94
Transit Clerks.....	990	1.31	21.78	29
Typists.....	670	.89	19.79	25
All Other Office Machine Operators.....	530	.71	na	na
All Other Clerical Workers.....	1,400	1.86	na	na
SALES OCCUPATIONS, TOTAL.....	300	.40	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	290	.39	46.97	9
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	99
Tellers.....	94
Secretaries.....	89
Proof Machine Operators.....	85
New-Accounts Tellers.....	79

Table 2
SIC 60
Banking
Austin SMSA

This major group includes institutions which are engaged in deposit banking or closely related functions, including fiduciary activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,640	100.00	na	na
MANAGERS AND OFFICERS.....	430	16.27	3.10	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	180	6.85	na	na
SERVICE OCCUPATIONS.....	50	1.99	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	40	1.58	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,940	73.35	na	na
Clerical Supervisors, Office or Plant.....	90	3.51	7.41	50
Accounting Clerks.....	50	2.03	3.42	86
Credit Clerks.....	50	2.00	19.00	71
File Clerks.....	130	4.83	10.68	64
General Clerks, Office.....	270	10.30	4.88	50
Key punch Operators.....	40	1.43	0.00	29
New-Accounts Tellers.....	40	1.54	6.69	86
Proof Machine Operators.....	80	3.13	6.89	100
Secretaries.....	150	5.58	5.79	93
Statement Clerks.....	50	1.69	18.48	71
Tellers.....	500	18.98	2.52	100
Transit Clerks.....	60	2.26	2.60	50
Typists.....	40	1.51	0.00	36
All Other Office Machine Operators.....	70	2.79	na	na
All Other Clerical Workers.....	320	11.89	na	na

^{1/} Based on unrounded data.

Table 2 (Continued) Banking, Austin SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Proof Machine Operators.....	100
Tellers.....	100
Secretaries.....	93
Accounting Clerks.....	86
New-Accounts Tellers.....	86

Table 3
SIC 60
Banking
El Paso SMSA

This major group includes institutions which are engaged in deposit banking or closely related functions, including fiduciary activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,800	100.00	na	na
MANAGERS AND OFFICERS.....	440	15.69	1.28	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	160	5.39	na	na
Accountants and Auditors.....	60	1.96	3.22	33
All Other Professional and Technical Workers.....	100	3.43	na	na
SERVICE OCCUPATIONS, TOTAL.....	310	10.89	na	na
Food Service Workers.....	30	1.14	0.00	20
Guards and Doorkeepers.....	180	6.35	1.13	53
Janitors, Porters, and Cleaners.	80	2.71	2.31	33
All Other Service Workers.....	2/			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	70	2.36	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,820	65.33	na	na
Clerical Supervisors, Office or Plant.....	70	2.49	5.81	67
Accounting Clerks.....	100	3.60	5.34	73
Bookkeepers, Hand.....	40	1.42	20.04	40
Bookkeeping and/or Billing Machine Operators.....	70	2.64	10.59	20
Coin Machine Operators and/or Currency Sorters.....	40	1.56	0.00	33
Collectors.....	30	1.07	6.21	40
Computer Operators.....	40	1.35	0.00	20
Credit Clerks.....	40	1.32	11.24	73

Table 3 (Continued) Banking, El Paso SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
File Clerks.....	80	2.96	3.02	67
General Clerks, Office.....	30	1.10	7.20	53
Mail Clerks.....	50	1.78	0.00	40
New-Accounts Tellers.....	40	1.56	7.13	73
Peripheral EDP Equipment Operators.....	30	1.21	0.00	20
Proof Machine Operators.....	50	1.71	5.86	60
Secretaries.....	120	4.35	1.89	100
Statement Clerks.....	60	2.17	9.86	87
Tellers.....	530	19.01	1.71	100
Transit Clerks.....	60	1.99	0.00	20
All Other Office Machine Operators.....	50	1.71	na	na
All Other Clerical Workers.....	290	10.21	na	na

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Secretaries.....	100
Tellers.....	100
Statement Clerks.....	87

Table 4
SIC 60
Banking
Beaumont-Port Arthur-Orange SMSA

This major group includes institutions which are engaged in deposit banking or closely related functions, including fiduciary activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,660	100.00	na	na
MANAGERS AND OFFICERS.....	300	17.83	3.97	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	50	3.02	na	na
SERVICE OCCUPATIONS, TOTAL.....	40	2.48	na	na
Janitors, Porters, and Cleaners.....	30	1.93	24.18	55
All Other Service Workers.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	1,240	75.06	na	na
Clerical Supervisors, Office or Plant.....	50	2.84	19.78	55
Accounting Clerks.....	60	3.32	32.55	30
Bookkeepers, Hand.....	50	3.14	15.13	45
Collectors.....	40	2.35	12.33	80
Credit Clerks.....	30	1.99	8.14	80
File Clerks.....	30	1.81	29.31	40
New-Accounts Tellers.....	50	2.84	6.68	90
Proof Machine Operators.....	60	3.80	5.92	95
Secretaries.....	120	7.37	4.16	100
Statement Clerks.....	60	3.44	14.12	65
Tellers.....	410	24.96	4.38	100
All Other Office Machine Operators.....	50	3.26	na	na
All Other Office Clerical Workers.....	230	13.95	na	na

Table 4 (Continued) Banking, Beaumont-Port Arthur-Orange SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
------------	--------------------	--------------------------------------	-----------------------------------	--

SALES OCCUPATIONS..... 2/

1/ Based on unrounded data.

2/ Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Secretaries.....	100
Tellers.....	100
Proof Machine Operators.....	95
New-Accounts Tellers.....	90

Table 5
SIC 60
Banking
San Antonio SMSA

This major group includes institutions which are engaged in deposit banking or closely related functions, including fiduciary activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,420	100.00	na	na
MANAGERS AND OFFICERS.....	1,150	21.17	3.06	96
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	190	3.52	na	na
Accountants and Auditors.....	50	.99	12.94	35
Computer Programmers.....	40	.64	11.50	22
All Other Professional Workers..	100	1.88	na	na
SERVICE OCCUPATIONS, TOTAL.....	210	3.80	na	na
Guards and Doorkeepers.....	100	1.88	8.79	43
Janitors, Porters, and Cleaners.	80	1.43	16.81	52
All Other Service Workers.....	30	.48	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	60	1.14	na	na
CLERICAL OCCUPATIONS, TOTAL.....	3,770	69.92	na	na
Clerical Supervisors, Office or Plant.....	160	2.95	9.34	65
Accounting Clerks.....	40	.75	13.98	48
Adjustment Clerks.....	40	.81	20.71	48
Bookkeepers, Hand.....	100	1.78	23.94	35
Checking Clerks, Bank Records...	70	1.29	33.15	26
Coin Machine Operators and/or Currency Sorters.....	40	.71	3.26	22
Collectors.....	70	1.23	9.50	48
Computer Operators.....	70	1.29	10.74	30
Credit Clerks.....	70	1.23	16.70	61
File Clerks.....	70	1.36	25.51	35

Table 5 (Continued) Banking, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
General Clerks, Office.....	580	10.77	5.94	48
Key punch Operators.....	50	.86	15.56	22
Loan Closers.....	40	.73	40.46	26
Mail Clerks.....	50	.94	11.43	43
New-Accounts Tellers.....	110	1.95	10.39	78
Proof Machine Operators.....	190	3.57	4.60	87
Receptionists.....	40	.81	13.60	43
Safe-Deposit Clerks.....	30	.60	11.09	61
Secretaries.....	310	5.79	5.58	91
Statement Clerks.....	90	1.66	19.27	52
Stenographers.....	40	.68	37.00	17
Switchboard Operator- Receptionists.....	30	.62	24.90	35
Switchboard Operators.....	30	.59	9.08	48
Tellers.....	870	16.06	5.81	91
Transit Clerks.....	170	3.19	3.80	26
Typists.....	80	1.53	7.07	22
All Other Office Machine Operators.....	70	1.31	na	na
All Other Clerical Workers.....	260	4.78	na	na
SALES OCCUPATIONS.....	2/			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	96
Secretaries.....	91
Tellers.....	91
Proof Machine Operators.....	87
New-Accounts Tellers.....	78

Table 6
SIC 60
Banking
Corpus Christi SMSA

This major group includes institutions which are engaged in deposit banking or closely related functions, including fiduciary activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,480	100.00	na	na
MANAGERS AND OFFICERS.....	270	18.11	1.27	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	40	2.63	na	na
SERVICE OCCUPATIONS.....	40	2.63	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	1,120	74.97	na	na
Clerical Supervisors, Office or Plant.....	50	3.63	6.20	62
Checking Clerks, Bank Records...	40	2.82	0.00	19
File Clerks.....	50	3.09	6.82	43
General Clerks, Office.....	100	6.46	5.95	48
Keypunch Operators.....	30	2.02	6.11	24
New-Accounts Tellers.....	40	2.49	3.35	86
Proof Machine Operators.....	60	3.90	2.30	95
Secretaries.....	90	6.32	2.26	90
Statement Clerks.....	50	3.36	7.95	71
Tellers.....	310	20.74	1.71	100
All Other Office Machine Operators.....	60	3.91	na	na
All Other Office Clerical Workers.....	240	16.06	na	na
SALES OCCUPATIONS.....	<u>2/</u>			

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 6 (Continued) Banking, Corpus Christi SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Tellers.....	100
Proof Machine Operators.....	95
Secretaries.....	90
New-Accounts Tellers.....	86

Table 7
SIC 602
Commercial and Stock Savings Banks
Statewide

This group is composed of banks and trust companies engaged in the business of accepting deposits from the public, except mutual savings banks. These establishments also extend credit by means of loans and investments. The group includes state and national banks, whether members or not of the Federal Reserve System and whether insured or not by the Federal Deposit Insurance Corporation; and unincorporated private banks which are not members of the Federal Reserve System, and whose deposits are not insured by the Federal Deposit Insurance Corporation.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	73,320	100.00	na	na
MANAGERS AND OFFICERS.....	14,820	20.22	4.22	99
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	3,390	4.62	na	na
Accountants and Auditors.....	760	1.03	16.23	37
Appraisers, Real Estate.....	110	.14	40.08	13
Budget Analysts.....	60	.08	28.67	11
Computer Programmers.....	200	.27	16.59	17
Credit Analysts.....	560	.76	20.41	29
Credit Analysts, Chief.....	140	.19	21.53	19
Financial Analysts.....	130	.18	30.68	11
Personnel and Labor Relations Specialists.....	200	.27	17.63	24
Public Relations Practitioners..	410	.55	20.42	33
Purchasing Agents and/or Buyers.	110	.15	21.78	20
Systems Analysts, Electronic Data Processing.....	160	.21	43.80	11
All Other Professional Workers..	370	.51	na	na
All Other Technical Workers.....	180	.24	na	na
SERVICE OCCUPATIONS, TOTAL.....	2,460	3.36	na	na
Food Service Workers.....	240	.33	26.69	16
Guards and Doorkeepers.....	810	1.09	17.50	31
Janitors, Porters, and Cleaners.	1,170	1.60	21.73	48
All Other Service Workers.....	240	.33	na	na

Table 7 (Continued) Commercial and Stock Savings Banks, Statewide

Occupation	Estimated Empl.	% of Total Empl. <u>1</u> /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	660	.90	na	na
Supervisors, Nonworking.....	90	.11	40.61	6
Maintenance Repairers, General Utility.....	270	.36	40.65	17
All Other Skilled Craftsmen and Kindred Workers.....	120	.16	na	na
All Other Operatives and Semi- skilled Workers.....	140	.19	na	na
All Other Laborers and Unskilled Workers.....	40	.06	na	na
CLERICAL OCCUPATIONS, TOTAL.....	51,720	70.54	na	na
Clerical Supervisors, Office or Plant.....	2,200	2.99	15.39	57
Accounting Clerks.....	1,420	1.94	21.74	55
Adjustment Clerks.....	410	.56	25.51	26
Bookkeepers, Hand.....	1,720	2.34	28.19	35
Bookkeeping and/or Billing Machine Operators.....	880	1.19	34.00	22
Checking Clerks, Bank Records...	590	.79	20.53	22
Coin Machine Operators and/or Currency Sorters.....	180	.24	27.92	21
Collectors.....	930	1.26	12.27	50
Computer Operators.....	540	.73	29.08	21
Credit Clerks.....	1,630	2.22	19.84	63
Credit Reporters.....	330	.44	25.00	24
File Clerks.....	1,570	2.13	18.54	48
General Clerks, Office.....	3,990	5.43	13.16	45
Insurance Clerks.....	380	.52	32.86	31
Key punch Operators.....	490	.66	14.63	22
Loan Closers.....	690	.94	22.55	28
Mail Clerks.....	730	.99	15.23	50
Messengers.....	310	.42	20.80	28
Messengers, Bank.....	130	.17	22.12	16
Mortgage Closing Clerks.....	150	.20	27.08	15
New-Accounts Tellers.....	1,750	2.38	11.31	83
Order Clerks.....	70	.09	30.83	9
Payroll and/or Timekeeping Clerks.....	150	.20	17.14	26
Personnel Clerks.....	200	.26	28.02	25
Proof Machine Operators.....	2,380	3.24	7.77	88
Receptionists.....	560	.76	23.40	33
Safe-Deposit Clerks.....	470	.64	14.61	51

Table 7 (Continued) Commercial and Stock Savings Banks, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Secretaries.....	5,330	7.27	5.24	90
Sorting Clerks, Bank.....	300	.41	35.83	14
Statement Clerks.....	2,210	3.01	17.62	68
Statistical Clerks.....	60	.08	48.97	8
Stenographers.....	210	.28	35.89	11
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	50	.06	35.45	9
Switchboard Operator- Receptionists.....	280	.37	24.60	31
Switchboard Operators.....	670	.91	16.37	54
Tellers.....	14,260	19.45	5.38	98
Transit Clerks.....	800	1.09	26.82	29
Typists.....	580	.78	22.81	24
All Other Office Machine Operators.....	660	.90	na	na
All Other Clerical Workers.....	1,460	2.00	na	na
SALES OCCUPATIONS, TOTAL.....	270	.37	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	260	.36	45.09	9
All Other Sales Workers.....	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	99
Tellers.....	98
Secretaries.....	90
Proof Machine Operators.....	88
New-Accounts Tellers.....	83

Table 8
SIC 61
Credit Agencies Other Than Banks
Austin SMSA

This major group includes establishments engaged in extending credit in the form of loans but not engaged in deposit banking.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,620	100.00	na	na
MANAGERS AND OFFICERS.....	340	20.92	12.96	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	210	12.73	na	na
SERVICE OCCUPATIONS, TOTAL.....	60	3.48	na	na
Food Service Workers.....	30	1.86	30.46	14
All Other Service Workers.....	30	1.61	na	na
CLERICAL OCCUPATIONS, TOTAL.....	920	56.49	na	na
Clerical Supervisors, Office or Plant.....	50	2.80	4.54	41
File Clerks.....	40	2.61	41.63	27
General Clerks, Office.....	90	5.60	40.96	32
Mortgage Closing Clerks.....	30	1.55	8.70	27
Secretaries.....	100	6.22	44.47	55
Tellers.....	210	13.32	19.75	50
Typists.....	30	1.61	29.73	36
All Other Clerical Workers.....	370	22.84	na	na
SALES OCCUPATIONS.....	90	5.28	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Secretaries.....	55
Tellers.....	50

Table 9
SIC 61
Credit Agencies Other Than Banks
San Antonio SMSA

This major group includes establishments engaged in extending credit in the form of loans but not engaged in deposit banking.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,010	100.00	na	na
MANAGERS AND OFFICERS.....	570	19.26	3.84	97
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	270	8.86	na	na
Accountants and Auditors.....	30	1.07	22.87	13
Appraisers, Real Estate.....	40	1.20	18.33	16
Credit Analysts.....	120	3.86	16.69	21
All Other Professional and Technical Workers.....	80	2.72	na	na
SERVICE OCCUPATIONS.....	40	1.34	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	80	2.79	na	na
CLERICAL OCCUPATIONS, TOTAL.....	2,010	66.47	na	na
Clerical Supervisors, Office or Plant.....	40	1.30	14.75	18
Accounting Clerks.....	90	3.05	13.45	32
Bookkeepers, Hand.....	80	2.58	17.47	31
Cashiers.....	60	2.14	22.30	22
Collectors.....	190	6.24	9.62	49
Credit Clerks.....	120	3.96	12.00	40
File Clerks.....	50	1.67	12.09	22
General Clerks, Office.....	260	8.55	19.53	41
Loan Closers.....	80	2.51	11.40	10
Mortgage Closing Clerks.....	50	1.57	39.56	18
New-Accounts Tellers.....	50	1.57	4.62	22
Receptionists.....	40	1.24	19.28	24

Table 9 (Continued) Credit Agencies Other Than Banks, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Secretaries.....	120	3.86	18.34	32
Statement Clerks.....	30	1.07	4.16	9
Tellers.....	340	11.54	3.66	38
Typists.....	70	2.28	23.78	24
All Other Office Clerical Workers.....	340	11.25	na	na
SALES OCCUPATIONS, TOTAL.....	40	1.27	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	40	1.27	37.49	10

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	97
Collectors.....	49
General Clerks, Office.....	41
Credit Clerks.....	40
Tellers.....	38

Table 10
SIC 612
Savings and Loan Associations
Statewide

This group includes federal and state savings and loan associations, and building and loan associations.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	12,110	100.00	na	na
MANAGERS AND OFFICERS.....	2,710	22.40	6.02	100
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	900	7.34	na	na
Accountants and Auditors.....	200	1.63	29.29	42
Appraisers, Real Estate.....	290	2.36	19.81	51
Credit Analysts.....	50	.41	32.99	10
Public Relations Practitioners..	50	.37	39.00	18
All Other Professional and Technical Workers.....	310	2.55	na	na
SERVICE OCCUPATIONS, TOTAL.....	300	2.43	na	na
Janitors, Porters, and Cleaners.	270	2.20	26.15	41
All Other Service Workers.....	2/			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	100	.82	na	na
CLERICAL OCCUPATIONS, TOTAL.....	8,070	66.73	na	na
Clerical Supervisors, Office or Plant.....	430	3.52	21.16	61
Accounting Clerks.....	420	3.43	16.18	55
Bookkeepers, Hand.....	210	1.74	32.46	29
Collectors.....	180	1.48	25.33	36
Credit Clerks.....	320	2.61	23.07	40
General Clerks, Office.....	380	3.17	24.76	37
Insurance Clerks.....	150	1.26	21.12	30
Loan Closers.....	220	1.83	28.10	25
Mail Clerks.....	60	.46	26.08	24
Messengers.....	80	.69	31.43	24

Table 10 (Continued) Savings and Loan Associations, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Mortgage Closing Clerks.....	510	4.22	18.13	64
New-Accounts Tellers.....	580	4.79	24.10	61
Receptionists.....	140	1.15	36.09	30
Secretaries.....	590	4.88	13.75	68
Switchboard Operator- Receptionists.....	160	1.33	27.90	45
Switchboard Operators.....	60	.45	26.89	22
Tellers.....	2,660	22.00	9.46	94
Typists.....	220	1.81	26.34	32
All Other Clerical Workers.....	700	5.80	na	na
SALES OCCUPATIONS.....	30	.25	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	100
Tellers.....	94
Secretaries.....	68
Mortgage Closing Clerks.....	64
Clerical Supervisors, Office or Plant.....	61
New-Accounts Tellers.....	61

Table 11
SIC 616
Mortgage Bankers and Brokers
Statewide

This group includes mortgage bankers, loan correspondents, and loan brokers. The mortgage bankers and loan correspondents are engaged in originating mortgage loans, selling mortgage loans, and servicing these loans. They may also provide real estate construction loans. The loan brokers arrange loans for others. They operate mostly on a commission or fee basis and do not ordinarily have any continuing relationship with either borrower or lender.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	6,160	100.00	na	na
MANAGERS AND OFFICERS.....	1,190	19.36	14.44	93
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	410	6.63	na	na
Accountants and Auditors.....	60	1.00	29.51	34
Appraisers, Real Estate.....	90	1.41	39.78	23
Computer Programmers.....	40	.57	29.72	17
Credit Analysts.....	60	1.02	22.42	11
All Other Professional Workers..	160	2.61	na	na
SERVICE OCCUPATIONS.....	190	3.10	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	90	1.48	na	an
CLERICAL OCCUPATIONS, TOTAL.....	4,070	66.05	na	na
Clerical Supervisors, Office or Plant.....	170	2.83	42.43	32
Accounting Clerks.....	230	3.69	18.13	54
Bookkeepers, Hand.....	80	1.28	32.72	31
Bookkeeping and/or Billing Machine Operators.....	30	.55	31.88	13
Cashiers.....	110	1.82	28.82	45
Collectors.....	150	2.42	28.50	45
Credit Clerks.....	180	2.96	48.86	35
General Clerks, Office.....	660	10.68	19.72	56

Table 11 (Continued) Mortgage Bankers and Brokers, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Insurance Clerks.....	90	1.48	41.62	20
Key punch Operators.....	90	1.51	43.33	23
Loan Closers.....	280	4.52	39.99	31
Mail Clerks.....	40	.66	25.47	21
Messengers.....	70	1.09	25.23	35
Mortgage Closing Clerks.....	350	5.70	31.44	54
Payroll and/or Timekeeping Clerks.....	30	.43	46.89	18
Receptionists.....	100	1.64	38.51	30
Secretaries.....	440	7.11	16.52	70
Switchboard Operator- Receptionists.....	70	1.07	43.87	39
Typists.....	200	3.32	36.22	28
All Other Office Machine Operators.....	90	1.40	na	na
All Other Clerical Workers.....	610	9.96	na	na
SALES OCCUPATIONS, TOTAL.....	210	3.43	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	210	3.43	28.45	37

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	93
Secretaries.....	70
General Clerks, Office.....	56
Accounting Clerks.....	54
Mortgage Closing Clerks.....	54

Table 12
SIC 62
Security and Commodity Brokers, Dealers, Exchanges, and Services
Statewide

This major group includes establishments engaged in the underwriting, purchase, sale, or brokerage of securities and other financial contracts on their own account or for the account of others; exchanges, exchange clearinghouses, and other services allied with the exchange of securities and commodities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	7,180	100.00	na	na
MANAGERS AND OFFICERS.....	1,020	14.18	12.19	94
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	720	9.96	na	na
Accountants and Auditors.....	90	1.26	46.30	19
Financial Analysts.....	110	1.54	34.09	13
All Other Mathematical Scientists.....	50	.63	na	na
All Other Professional and Technical Workers.....	470	6.51	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	60	.85	na	na
CLERICAL OCCUPATIONS, TOTAL.....	2,600	36.11	na	na
Clerical Supervisors, Office or Plant.....	90	1.31	20.15	18
Bookkeepers, Hand.....	100	1.40	34.06	18
Brokerage Clerks.....	210	2.95	33.30	33
Cashiers.....	50	.73	15.54	15
Computer Operators.....	40	.48	46.56	9
General Clerks, Office.....	450	6.30	18.90	44
Mail Clerks.....	30	.40	34.38	11
Margin Clerks.....	30	.43	29.98	8
Messengers.....	30	.34	35.93	13
Order Clerks.....	30	.34	32.52	8
Purchase and Sales Clerks and/or Securities Order Clerks.....	30	.34	27.51	6

Security and Commodity Brokers, Dealers, Exchanges, and Services,
Table 12 (Continued) Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Receptionists.....	30	.41	42.88	16
Secretaries.....	760	10.63	15.92	76
Securities Cashiers, Exchange...	60	.79	34.11	23
Switchboard Operator-				
Receptionists.....	90	1.25	38.06	32
Switchboard Operators.....	50	.69	40.56	12
Typists.....	90	1.25	49.41	15
All Other Office Machine				
Operators.....	120	1.66	na	na
All Other Clerical Workers.....	310	4.26	na	na
SALES OCCUPATIONS, TOTAL.....	2,780	38.69	na	na
Sales Agents, Securities.....	2,100	29.26	13.02	62
Sales Clerks.....	140	1.88	28.48	9
All Other Sales Agents, Sales				
Associates, and/or Sales				
Representatives.....	540	7.50	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	94
Secretaries.....	76
Sales Agents, Securities.....	62

Table 13
SIC 62
Security and Commodity Brokers, Dealers, Exchanges, and Services
Dallas-Fort Worth SMSA

This major group includes establishments engaged in the underwriting, purchase, sale, or brokerage of securities and other financial contracts on their own account or for the account of others; exchanges, exchange clearinghouses, and other services allied with the exchange of securities and commodities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,000	100.00	na	na
MANAGERS AND OFFICERS.....	440	14.62	14.12	95
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	170	5.64	na	na
Brokers Floor Representatives, Securities Traders, and/or Securities Specialists.....	30	.96	26.40	22
Financial Analysts.....	60	2.09	30.08	17
All Other Professional and Technical Workers.....	80	2.57	na	na
SERVICE OCCUPATIONS.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	1,120	36.90	na	na
Clerical Supervisors, Office or Plant.....	50	1.56	15.84	22
Bookkeepers, Hand.....	30	1.06	33.86	10
Brokerage Clerks.....	110	3.73	24.49	37
General Clerks, Office.....	110	3.63	30.53	34
Margin Clerks.....	30	.83	23.16	15
Secretaries.....	390	12.82	13.26	88
Switchboard Operator- Receptionists.....	40	1.16	25.35	34
Switchboard Operators.....	40	1.16	45.45	17

Security and Commodity Brokers, Dealers, Exchanges, and Services,
Table 13 (Continued) Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Typists.....	30	1.06	24.22	15
All Other Clerical Workers.....	290	9.81	na	na
SALES OCCUPATIONS, TOTAL.....	1,240	41.24	na	na
Sales Agents, Securities.....	890	29.52	8.92	59
All Other Sales Workers.....	350	11.68	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	95
Secretaries.....	88
Sales Agents, Securities.....	59

Table 14
SIC 621
Security Brokers, Dealers, and Flotation Companies
Statewide

This group includes establishments primarily engaged in the purchase, sale, and brokerage of securities; and those, generally known as investment bankers, primarily engaged in originating, underwriting, and distributing issues of securities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	6,220	100.00	na	na
MANAGERS AND OFFICERS.....	800	12.77	13.37	94
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	510	8.24	na	na
Financial Analysts.....	60	.96	46.98	11
All Other Professional and Technical Workers.....	450	7.28	na	na
CLERICAL OCCUPATIONS, TOTAL.....	2,290	36.54	na	na
Clerical Supervisors, Office or Plant.....	90	1.38	19.37	18
Bookkeepers, Hand.....	100	1.52	35.90	17
Brokerage Clerks.....	190	3.00	35.98	36
Cashiers.....	50	.85	15.54	18
Computer Operators.....	30	.52	48.55	9
General Clerks, Office.....	370	5.85	20.98	43
Margin Clerks.....	30	.49	29.98	9
Secretaries.....	670	10.74	16.97	79
Securities Cashiers, Exchange... Switchboard Operator-	60	.91	34.11	28
Receptionists.....	60	.97	48.26	32
Switchboard Operators.....	40	.64	37.02	13
All Other Office Machine Operators.....	120	1.90	na	na
All Other Clerical Workers.....	480	7.70	na	na
SALES OCCUPATIONS, TOTAL.....	2,620	41.92	na	na
Sales Agents, Securities.....	2,100	33.68	13.02	74
Sales Clerks.....	140	2.16	28.48	10
	38			

Table 14 (Continued) Security Brokers, Dealers, and Flotation Companies, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
------------	--------------------	--------------------------------------	-----------------------------------	--

SALES OCCUPATIONS (Continued)

All Other Sales Agents, Sales
Associates, and/or Sales

Representatives.....

380

6.04

na

na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

OCCUPATION

PERCENT

Managers and Officers.....	94
Secretaries.....	79
Sales Agents, Securities.....	74
General Clerks, Office.....	43
Brokerage Clerks.....	36

Table 15
SIC 63
Insurance
Statewide

This major group includes insurance carriers of all types.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	70,830	100.00	na	na
MANAGERS AND OFFICERS.....	8,440	11.90	8.40	91
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	8,400	11.86	na	na
Actuaries.....	150	.21	35.75	10
Computer Programmers.....	730	1.02	34.27	13
Hospital Insurance Representatives.....	40	.05	36.70	2
Lawyers.....	140	.19	31.66	10
Nurses, Professional.....	50	.07	42.53	4
Personnel and Labor Relations Specialists.....	300	.42	11.76	13
Public Relations Practitioners..	100	.14	41.49	6
Purchasing Agents and/or Buyers.	50	.07	45.45	7
Statisticians.....	50	.06	25.91	3
Systems Analysts, Electronic Data Processing.....	390	.54	19.35	11
Title Examiners and/or Abstractors.....	240	.34	17.89	7
All Other Mathematical Scientists.....	30	.05	na	na
All Other Professional Workers..	6,040	8.53	na	na
All Other Technical Workers.....	90	.13	na	na
SERVICE OCCUPATIONS.....	720	1.01	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	390	.56	na	na
CLERICAL OCCUPATIONS, TOTAL.....	37,770	53.32	na	na
Clerical Supervisors, Office or Plant.....	1,690	2.38	36.43	37
Accounting Clerks.....	1,580	2.22	44.29	34

Table 15 (Continued) Insurance, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Actuarial Clerks.....	140	.20	47.64	7
Bookkeepers, Hand.....	420	.59	44.41	20
Bookkeeping and/or Billing Machine Operators.....	140	.19	24.36	9
Cancellation Clerks.....	90	.13	32.28	7
Cashiers.....	480	.67	39.49	26
Claim Examiners-Life, Accident, and Health Insurance.....	2,380	3.36	29.42	22
Collectors.....	200	.28	21.18	5
Computer Operators.....	570	.80	40.40	16
Correspondence Clerks.....	520	.73	23.64	14
Insurance Checkers.....	280	.39	42.25	11
Insurance Clerks.....	920	1.29	28.79	3
Key punch Operators.....	1,310	1.84	46.25	21
Loan Closers.....	220	.31	20.78	6
Mail Clerks.....	720	1.02	37.54	25
Messengers.....	250	.35	26.76	16
Order Clerks.....	60	.07	38.43	4
Payroll and/or Timekeeping Clerks.....	170	.23	42.91	12
Personnel Clerks.....	150	.20	40.66	14
Raters.....	1,340	1.89	25.83	21
Receptionists.....	310	.43	43.24	18
Secretaries.....	3,890	5.48	28.32	62
Stenographers.....	1,020	1.44	44.83	26
Switchboard Operator- Receptionists.....	280	.39	25.09	31
Switchboard Operators.....	130	.18	26.27	11
Worksheet Clerks.....	610	.85	32.56	12
All Other Office Machine Operators.....	540	.76	na	na
All Other Clerical Workers.....	17,360	24.51	na	na
SALES OCCUPATIONS, TOTAL.....	15,110	21.34	na	na
Sales Agents, Sales Associates, and/or Sales Representatives- Insurance.....	14,440	20.38	31.72	53
All Other Sales Workers.....	670	.95	na	na

^{1/} Based on unrounded data.

Table 15 (Continued) Insurance, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	91
Secretaries.....	62
Sales Agents, Sales Associates, and/or Sales Representatives-Insurance.....	53
Clerical Supervisors, Office or Plant.....	37
Accounting Clerks.....	34

Table 16
SIC 63
Insurance
Austin SMSA

This major group includes insurance carriers of all types.

Occupation	Estimated Empl.	% of Total Empl. ₁ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,900	100.00	na	na
MANAGERS AND OFFICERS.....	400	10.20	8.20	90
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	270	6.49	na	na
Accountants and Auditors.....	30	.64	27.45	29
Claim Examiners, Property and/or Casualty Insurance.....	40	.94	30.04	19
Underwriters.....	90	2.18	13.04	29
All Other Professional and Technical Workers.....	110	2.72	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,520	38.81	na	na
Clerical Supervisors, Office or Plant.....	60	1.48	12.29	35
Accounting Clerks.....	130	3.20	13.24	26
Cashiers.....	30	.82	22.15	29
Claim Adjusters.....	50	1.15	39.83	19
Claim Examiners-Life, Accident, and Health Insurance.....	30	.66	35.33	23
Claims Clerks.....	80	2.15	23.84	29
Correspondence Clerks.....	40	.97	0.00	10
File Clerks.....	110	2.79	8.70	29
General Clerks, Office.....	200	5.20	17.67	35
Insurance Checkers.....	40	1.00	20.85	13
Key punch Operators.....	50	1.20	8.47	16
Raters.....	70	1.79	13.91	19
Secretaries.....	130	3.41	26.05	52
Stenographers.....	40	1.02	12.60	16
Typists.....	110	2.87	20.41	32
Worksheet Clerks.....	40	1.12	0.00	10
All Other Office Machine Operators.....	50	1.23	na	na
All Other Clerical Workers.....	260	6.67	na	na

Table 16 (Continued) Insurance, Austin SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	1,710	43.85	na	na
Sales Agents, Sales Associates, and/or Sales Representatives- Insurance.....	1,710	43.85	4.59	61

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	90
Sales Agents, Sales Associates, and/or Sales Representatives-Insurance.....	61
Secretaries.....	52

Table 17
SIC 63
Insurance
Dallas-Fort Worth SMSA

This major group includes insurance carriers of all types.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	33,560	100.00	na	na
MANAGERS AND OFFICERS.....	3,880	11.55	9.57	91
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	4,210	12.55	na	na
Accountants and Auditors.....	180	.54	22.96	36
Actuaries.....	100	.28	38.60	21
Claim Examiners, Property and/or Casualty Insurance.....	330	.97	19.38	20
Computer Programmers.....	390	1.16	27.75	27
Engineers.....	120	.36	46.24	9
Hospital Insurance Representa- tives.....	30	.09	34.60	8
Investigators, Insurance.....	240	.72	49.63	13
Lawyers.....	60	.16	45.52	20
Personnel and Labor Relations Specialists.....	170	.51	7.24	32
Safety Inspectors.....	80	.23	30.09	11
Special Agents, Insurance.....	640	1.90	19.27	28
Statisticians.....	30	.08	32.20	11
Systems Analysts, Electronic Data Processing.....	250	.75	14.02	23
Title Examiners and/or Abstractors.....	100	.29	11.55	11
Underwriters.....	1,040	3.10	16.21	55
All Other Professional Workers..	380	1.14	na	na
All Other Technical Workers.....	70	.21	na	na
SERVICE OCCUPATIONS, TOTAL.....	370	1.09	na	na
Food Service Workers.....	80	.23	25.10	12
All Other Service Workers.....	290	.86	na	na

Table 17 (Continued) Insurance, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	140	.41	na	na
CLERICAL OCCUPATIONS, TOTAL.....	18,370	54.74	na	na
Clerical Supervisors, Office or Plant.....	1,090	3.23	27.57	56
Actuarial Clerks.....	90	.27	22.14	16
Bookkeeping and/or Billing Machine Operators.....	70	.19	33.96	13
Cancellation Clerks.....	70	.21	33.69	17
Claim Adjusters.....	850	2.51	19.40	29
Claim Examiners-Life, Accident, and Health Insurance.....	1,310	3.90	31.21	39
Claims Clerks.....	800	2.39	28.22	44
Collectors.....	130	.39	24.72	16
Computer Operators.....	310	.91	20.28	35
Correspondence Clerks.....	350	1.05	23.74	31
Duplicating Machine Operators...	50	.14	15.53	19
File Clerks.....	1,420	4.24	20.25	59
General Clerks, Office.....	2,300	6.85	23.58	61
Insurance Checkers.....	140	.42	30.59	23
Key punch Operators.....	640	1.90	21.38	45
Loan Closers.....	60	.17	36.23	8
Mail Clerks.....	420	1.23	23.10	52
Messengers.....	150	.43	37.96	31
Personnel Clerks.....	90	.27	24.38	35
Policy-Change Clerks.....	440	1.31	40.20	36
Raters.....	870	2.58	21.84	33
Receptionists.....	40	.11	49.99	19
Secretaries.....	1,560	4.63	16.87	76
Statistical Clerks.....	50	.14	24.60	12
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	60	.19	27.80	21
Switchboard Operator- Receptionists.....	130	.38	37.32	52
Switchboard Operators.....	50	.16	31.32	19
Typists.....	1,450	4.31	24.68	61
Worksheet Clerks.....	300	.89	46.51	28
All Other Office Machine Operators.....	250	.74	na	na
All Other Office Clerical Workers.....	2,800	8.35	na	na
All Other Plant Clerical Workers	30	.09	na	na

Table 17 (Continued) Insurance, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	6,590	19.64	na	na
Sales Agents, Sales Associates, and/or Sales Representatives- Insurance.....	6,400	19.07	32.15	41
All Other Sales Workers.....	190	.55	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	91
Secretaries.....	76
General Clerks, Office.....	61
Typists.....	61
File Clerks.....	59

Table 18
SIC 63
Insurance
San Antonio SMSA

This major group includes insurance carriers of all types.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	7,910	100.00	na	na
MANAGERS AND OFFICERS.....	960	12.20	2.74	97
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,100	14.01	na	na
Accountants and Auditors.....	40	.53	13.49	27
Claim Examiners, Property and/or Casualty Insurance.....	140	1.81	1.45	27
Computer Programmers.....	180	2.27	6.88	18
Personnel and Labor Relations Specialists.....	70	.91	6.32	9
Special Agents, Insurance.....	50	.59	29.17	24
Systems Analysts, Electronic Data Processing.....	50	.64	5.95	21
Underwriters.....	110	1.40	26.59	39
All Other Professional and Technical Workers.....	460	5.83	na	na
SERVICE OCCUPATIONS.....	100	1.32	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	130	1.70	na	na
CLERICAL OCCUPATIONS, TOTAL.....	4,040	50.75	na	na
Clerical Supervisors, Office or Plant.....	70	.84	14.61	39
Accounting Clerks.....	100	1.25	6.71	39
Cashiers.....	50	.62	8.78	33
Claim Adjusters.....	370	4.64	7.85	21
Claims Clerks.....	120	1.48	34.07	36
Collectors.....	60	.72	6.95	6
Computer Operators.....	70	.92	6.89	18

Table 18 (Continued) Insurance, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
File Clerks.....	220	2.82	4.31	52
General Clerks, Office.....	300	3.74	7.50	58
Insurance Checkers.....	30	.37	8.02	18
Insurance Clerks.....	770	9.70	7.33	6
Key punch Operators.....	130	1.62	5.35	30
Loan Closers.....	40	.45	8.14	9
Mail Clerks.....	100	1.21	2.27	30
Messengers.....	50	.60	5.72	18
Raters.....	110	1.44	30.05	24
Secretaries.....	340	4.31	3.14	70
Switchboard Operators.....	40	.48	4.21	18
Typists.....	310	3.91	5.05	48
Worksheet Clerks.....	180	2.33	4.46	15
All Other Office Machine Operators.....	40	.47	na	na
All Other Clerical Workers.....	540	6.77	na	na
SALES OCCUPATIONS, TOTAL.....	1,580	20.04	na	na
Sales Agents, Sales Associates, and/or Sales Representatives- Insurance.....	1,580	20.04	5.45	55

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	97
Secretaries.....	70
General Clerks, Office.....	58
Sales Agents, Sales Associates, and/or Sales Representatives-Insurance.....	55
File Clerks.....	52

Table 19
SIC 631
Life Insurance
Statewide

This group includes establishments engaged in underwriting life insurance owned by stockholders, policyholders, or other carriers.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	28,380	100.00	na	na
MANAGERS AND OFFICERS.....	4,110	14.47	10.35	94
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,550	5.43	na	na
Systems Analysts, Electronic Data Processing.....	150	.51	44.06	14
Underwriters.....	330	1.15	48.98	23
All Other Professional and Technical Workers.....	1,070	3.76	na	na
SERVICE OCCUPATIONS.....	340	1.21	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	180	.63	na	na
CLERICAL OCCUPATIONS, TOTAL.....	11,750	41.40	na	na
Cashiers.....	380	1.34	49.43	46
Computer Operators.....	220	.75	42.68	16
File Clerks.....	930	3.26	41.92	29
All Other Office Machine Operators.....	710	2.49	na	na
All Other Clerical Workers.....	9,510	33.53	na	na
SALES OCCUPATIONS, TOTAL.....	10,450	36.84	na	na
Sales Agents, Sales Associates, and/or Sales Representatives- Insurance.....	10,140	35.74	44.80	78

Table 19 (Continued) Life Insurance, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
------------	--------------------	--------------------------------------	-----------------------------------	--

SALES OCCUPATIONS (Continued)

All Other Sales Agents, Sales
Associates, and/or Sales

Representatives.....

310

1.08

na

na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

OCCUPATION

PERCENT

Managers and Officers.....

94

Sales Agents, Sales Associates, and/or Sales

Representatives-Insurance.....

78

Table 20
SIC 632
Accident and Health Insurance and Medical Service Plans
Statewide

This group includes establishments primarily engaged in underwriting accident and health insurance owned by stockholders, policyholders, or other carriers. Also included are those establishments providing hospital, medical, and other health services.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	7,570	100.00	na	na
MANAGERS AND OFFICERS.....	790	10.45	6.39	91
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	840	10.93	na	na
Accountants and Auditors.....	70	.89	26.90	28
Computer Programmers.....	90	1.21	6.27	22
Personnel and Labor Relations Specialists.....	40	.48	24.33	28
Special Agents, Insurance.....	280	3.68	4.05	19
Systems Analysts, Electronic Data Processing.....	90	1.12	2.55	16
Underwriters.....	60	.73	3.62	25
All Other Professional and Technical Workers.....	210	2.76	na	na
SERVICE OCCUPATIONS, TOTAL.....	230	3.03	na	na
Food Service Workers.....	50	.66	2.18	16
All Other Service Workers.....	180	2.37	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	40	.49	na	na
CLERICAL OCCUPATIONS, TOTAL.....	4,570	60.50	na	na
Clerical Supervisors, Office or Plant.....	300	3.93	6.74	44
Accounting Clerks.....	150	1.96	6.22	41
Actuarial Clerks.....	40	.50	0.00	13
Cashiers.....	60	.81	7.01	25

Table 20 (Continued) Accident and Health Insurance and Medical Service Plans, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Claim Adjusters.....	80	1.01	10.94	19
Claim Examiners-Life, Accident, and Health Insurance.....	920	12.18	10.16	38
Claims Clerks.....	70	.88	24.42	25
Computer Operators.....	60	.75	9.71	19
Correspondence Clerks.....	220	2.93	4.00	31
File Clerks.....	240	3.13	11.18	31
General Clerks, Office.....	700	9.30	11.17	50
Insurance Checkers.....	50	.62	33.65	16
Key punch Operators.....	330	4.38	8.66	31
Mail Clerks.....	120	1.55	6.13	22
Messengers.....	60	.84	0.00	9
Policy-Change Clerks.....	60	.84	4.56	19
Secretaries.....	640	8.41	9.48	72
Stenographers.....	70	.89	28.61	19
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	30	.43	9.32	28
Typists.....	100	1.37	6.51	28
All Other Office Machine Operators.....	50	.70	na	na
All Other Clerical Workers.....	220	2.91	na	na
SALES OCCUPATIONS, TOTAL.....	1,100	14.59	na	na
Sales Agents, Sales Associates, and/or Sales Representatives- Insurance.....	1,100	14.59	26.72	50

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	91
Secretaries.....	72
General Clerks, Office.....	50
Sales Agents, Sales Associates, and/or Sales Representatives-Insurance.....	50
Clerical Supervisors, Office or Plant.....	44

Table 21
SIC 636
Title Insurance
Statewide

This group includes establishments primarily engaged in underwriting insurance to protect the owner of real estate, or lenders of money thereon, against loss sustained by reason of any defect of title.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,440	100.00	na	na
MANAGERS AND OFFICERS.....	580	16.73	12.13	96
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	440	12.78	na	na
Public Relations Practitioners..	50	1.48	47.68	15
Title Examiners and/or				
Abstractors.....	240	7.03	17.89	48
All Other Professional and				
Technical Workers.....	150	4.27	na	na
SERVICE OCCUPATIONS.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	2,330	67.87	na	na
Clerical Supervisors, Office or				
Plant.....	90	2.52	27.90	30
Accounting Clerks.....	40	1.24	36.90	22
Bookkeepers, Hand.....	30	.92	27.30	28
Bookkeeping and/or Billing				
Machine Operators.....	80	2.44	31.04	41
File Clerks.....	120	3.54	21.27	43
General Clerks, Office.....	210	6.13	34.77	37
Loan Closers.....	200	5.87	21.26	26
Messengers.....	80	2.26	17.50	54
Receptionists.....	40	1.04	30.65	26
Secretaries.....	730	21.21	11.37	80

Table 21 (Continued) Title Insurance, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Switchboard Operator- Receptionists.....	90	2.49	26.11	61
Typists.....	80	2.35	35.33	30
All Other Office Machine Operators.....	40	1.28	na	na
All Other Clerical Workers.....	500	14.53	na	na
SALES OCCUPATIONS.....	70	2.06	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	96
Secretaries.....	80
Switchboard Operator-Receptionists.....	61
Messengers.....	54
Title Examiners and/or Abstractors.....	48

Table 22
SIC 72
Personal Services
San Antonio SMSA

This major group includes establishments primarily engaged in providing services generally involving the care of the person or his apparel, such as laundries, dry cleaning plants, portrait photographic studios, and beauty and barber shops.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,640	100.00	na	na
MANAGERS AND OFFICERS.....	430	7.61	9.88	50
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	210	3.70	na	na
Accountants and Auditors.....	60	1.00	26.41	11
All Other Professional Workers..	150	2.70	na	na
SERVICE OCCUPATIONS, TOTAL.....	2,050	36.43	na	na
Barbers.....	340	5.99	9.32	13
Cosmetologists and/or Hair- stylists.....	1,300	23.26	3.36	50
Maids.....	60	1.14	18.08	18
Manicurists.....	50	.80	16.29	12
Shampooers.....	80	1.43	16.92	16
All Other Janitors, Porters, and Cleaners.....	60	1.00	na	na
All Other Service Workers.....	160	2.82	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	1,890	33.43	na	na
Supervisors, Nonworking.....	50	.82	19.38	10
Alteration Tailors.....	80	1.39	28.55	11
Delivery and Route Workers.....	240	4.34	12.97	18
Dry Cleaning Machine Operators..	60	1.09	17.85	14
Folders, Laundry.....	70	1.16	22.57	10
Inspectors.....	50	.82	22.20	10
Laundry Machine Mechanics.....	60	.98	25.06	9
Laundry Operators, Small Establishment.....	90	1.55	32.54	4

Table 22 (Continued) Personal Services, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Laundry Pressers, Machine.....	400	7.15	12.75	15
Markers, Classifiers, Wet Wash Assemblers, Detachers, and/or Checkers.....	60	1.14	21.39	7
Menders.....	60	1.07	23.22	11
Pressers, Machine.....	240	4.32	20.31	16
Production Packagers, Hand or Machine.....	60	.98	20.81	7
Spotters, Dry Cleaning.....	30	.55	41.52	5
Washers, Machine and/or Starchers.....	80	1.48	14.53	13
All Other Skilled Craftsmen and Kindred Workers.....	50	.91	na	na
All Other Operatives and Semi- skilled Workers.....	160	2.82	na	na
All Other Laborers and Unskilled Workers.....	50	.82	na	na
CLERICAL OCCUPATIONS, TOTAL.....	850	15.06	na	na
Bookkeepers, Hand.....	30	.60	46.18	6
Cashiers.....	40	.64	37.87	5
Counter Clerks.....	380	6.79	18.73	16
General Clerks, Office.....	120	2.21	29.78	23
Payroll and/or Timekeeping Clerks.....	30	.44	26.98	10
Receptionists.....	140	2.48	14.28	29
Shipping Packers.....	30	.51	32.26	4
All Other Office Clerical Workers.....	50	.82	na	na
All Other Plant Clerical Workers.....	30	.54	na	na
SALES OCCUPATIONS, TOTAL.....	210	3.77	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	100	1.80	34.50	13
All Other Sales Workers.....	110	1.96	na	na

^{1/} Based on unrounded data.

Table 22 (Continued) Personal Services, San Antonio SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Cosmetologists and/or Hairstylists.....	50
Managers and Officers.....	50
Receptionists.....	29
General Clerks, Office.....	23

Table 23
SIC 721
Laundry, Cleaning, and Garment Services
Statewide

This group includes establishments primarily engaged in operating mechanical laundries with steam or other power.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	26,430	100.00	na	na
MANAGERS AND OFFICERS.....	1,680	6.37	9.33	67
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	90	.33	na	na
Accountants and Auditors.....	80	.31	38.24	10
All Other Professional Workers..	2/			
SERVICE OCCUPATIONS.....	520	1.96	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	17,710	67.01	na	na
Supervisors, Nonworking.....	400	1.52	18.19	25
Alteration Tailors.....	910	3.44	15.29	38
Delivery and Route Workers.....	2,310	8.76	11.46	59
Dry Cleaning Machine Operators..	1,260	4.76	19.17	47
Folders, Laundry.....	1,180	4.45	17.23	33
Inspectors.....	500	1.87	20.50	36
Laundry Machine Mechanics.....	410	1.56	25.39	24
Laundry Operators, Small Establishment.....	420	1.59	25.06	13
Laundry Pressers, Machine.....	3,220	12.18	14.55	48
Markers, Classifiers, Wet Wash Assemblers, Detachers, and/or Checkers.....	830	3.14	30.28	30
Mechanics, Automotive.....	80	.28	28.10	7
Menders.....	670	2.53	19.46	39
Pressers, Hand.....	320	1.22	31.54	15
Pressers, Machine.....	2,500	9.46	11.07	63
Production Packagers, Hand or Machine.....	510	1.93	37.34	21

Table 23 (Continued) Laundry, Cleaning, and Garment Services, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Rug Cleaners, Hand.....	280	1.06	35.02	4
Rug Cleaners, Machine.....	80	.29	42.40	2
Spotters, Dry Cleaning.....	330	1.23	33.72	21
Spotters, Washable Materials....	100	.37	33.48	10
Tumbler Operators.....	200	.76	30.72	18
Washers, Machine and/or Starchers.....	820	3.11	11.66	44
All Other Skilled Craftsmen and Kindred Workers.....	50	.17	na	na
All Other Operatives and Semi- skilled Workers.....	230	.88	na	na
All Other Laborers and Unskilled Workers.....	100	.37	na	na
CLERICAL OCCUPATIONS, TOTAL.....	5,990	22.67	na	na
Cashiers.....	440	1.68	24.90	17
Counter Clerks.....	4,070	15.41	13.94	62
General Clerks, Office.....	650	2.44	11.57	43
Payroll and/or Timekeeping Clerks.....	170	.65	23.79	21
Production Clerks and/or Coordinators.....	150	.57	34.38	9
Shipping Packers.....	310	1.15	32.88	12
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	170	.64	25.40	11
All Other Office Clerical Workers.....	30	.12	na	na
SALES OCCUPATIONS, TOTAL.....	440	1.65	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	440	1.65	27.22	21

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 23 (Continued) Laundry, Cleaning, and Garment Services, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	67
Pressers, Machine.....	63
Counter Clerks.....	62
Delivery and Route Workers.....	59
Laundry Pressers, Machine.....	48

Table 24
SIC 726
Funeral Service and Crematories
Statewide

This group includes establishments primarily engaged in preparing the dead for burial, conducting funerals, and cremating the dead.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	4,560	100.00	na	na
MANAGERS AND OFFICERS.....	1,170	25.62	5.84	90
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	890	19.56	na	na
Accountants and Auditors.....	70	1.49	24.74	16
Embalmers.....	720	15.71	9.73	65
Musicians, Instrumental.....	100	2.15	26.50	19
SERVICE OCCUPATIONS, TOTAL.....	970	21.26	na	na
Funeral Attendants.....	640	14.04	12.83	59
Maids.....	150	3.20	16.05	31
Mortuary Beauticians.....	70	1.42	43.08	13
All Other Janitors, Porters, and Cleaners.....	100	2.13	na	na
All Other Service Workers.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	520	11.34	na	na
Ambulance Drivers and/or Attendants.....	80	1.73	21.20	3
Chauffeurs.....	130	2.90	26.60	19
Gardeners and Groundskeepers....	230	5.01	14.61	29
Maintenance Repairers, General Utility.....	80	1.64	26.23	11
CLERICAL OCCUPATIONS, TOTAL.....	950	20.80	na	na
Accounting Clerks.....	40	.76	39.45	9
Bookkeepers, Hand.....	80	1.80	22.03	19

Table 24 (Continued) Funeral Service and Crematories, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
General Clerks, Office.....	230	5.09	14.08	36
Receptionists.....	250	5.58	15.74	40
Secretaries.....	190	4.15	16.03	37
Switchboard Operator- Receptionists.....	110	2.35	24.17	16
Typists.....	40	.79	37.36	9
All Other Office Clerical Workers.....	2/			
SALES OCCUPATIONS.....	60	1.40	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	90
Embalmers.....	65
Funeral Attendants.....	59
Receptionists.....	40

Table 25

SIC 732

Consumer Credit Reporting Agencies, Mercantile Reporting Agencies, and Adjustment and Collection Agencies
Statewide

This group includes establishments primarily engaged in mercantile and consumer credit reporting or the collection or adjustment of claims.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	6,070	100.00	na	na
MANAGERS AND OFFICERS.....	690	11.37	9.65	86
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	470	7.61	na	na
Appraisers.....	110	1.76	31.88	6
All Other Professional and Technical Workers.....	360	5.85	na	na
SERVICE OCCUPATIONS.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL..	4,610	76.20	na	na
Clerical Supervisors, Office or Plant.....	120	2.02	20.00	27
Accounting Clerks.....	60	.98	32.50	24
Bookkeepers, Hand.....	70	1.07	22.57	24
Call-Out Operators.....	170	2.76	29.15	27
Collectors.....	1,130	18.66	13.31	67
Computer Operators.....	100	1.71	11.79	8
Credit Reporters.....	470	7.79	18.12	28
File Clerks.....	130	2.14	25.72	32
General Clerks, Office.....	980	16.19	14.17	52
In-File Operators.....	500	8.29	14.76	29
Keypunch Operators.....	50	.87	29.69	16
Receptionists.....	40	.69	34.01	19
Secretaries.....	200	3.23	24.72	38
Typists.....	410	6.74	14.79	48
All Other Clerical Workers.....	180	3.03	na	na

Consumer Credit Reporting Agencies, Mercantile Reporting Agencies,
Table 25 (Continued) and Adjustment and Collection Agencies, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	270	4.33	na	na
Sales Representatives, Sales Agents, and/or Sales Associates.....	240	3.92	15.03	49
All Other Sales Workers.....	30	.41	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	86
Collectors.....	67
General Clerks, Office.....	52
Sales Representatives, Sales Agents, and/or Sales Associates.....	49
Typists.....	48

Table 26
SIC 78
Motion Pictures
Statewide

This major group includes establishments producing and distributing motion pictures, exhibiting motion pictures in commercially operated theaters, and furnishing services to the motion picture industry. The term "motion pictures" includes similar productions for television or other media using film, tape, or other means.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	8,860	100.00	na	na
MANAGERS AND OFFICERS.....	1,030	11.60	12.26	87
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	360	4.06	na	na
Commercial Artists.....	50	.59	18.44	10
Photographers.....	70	.82	17.45	13
Writers and/or Editors.....	50	.54	34.29	4
All Other Professional and Technical Workers.....	190	2.09	na	na
SERVICE OCCUPATIONS, TOTAL.....	3,510	39.51	na	na
Supervisors, Nonworking-Service. Cooks, Short Order and/or Specialty Fast Foods.....	40	.41	41.29	5
Food Preparation and Service Workers, Fast Food Restaurant. Janitors, Porters, and Cleaners.	170	1.90	49.71	11
Ushers, Lobby Attendants, Ticket Takers, and/or Drive-In Theater Attendants.....	830	9.29	40.24	18
All Other Food Service Workers..	650	7.26	16.81	57
All Other Service Workers.....	1,150	12.91	14.56	58
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	510	5.75	na	na
Maintenance Repairers, General Utility.....	160	1.82	na	na
Motion Picture Projectionists...	1,500	16.93	na	na
	30	.34	39.46	7
	1,230	13.83	13.98	71

Table 26 (Continued) Motion Pictures, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	2/			
All Other Operatives and Semi- skilled Workers.....	150	1.71	na	na
All Other Laborers and Unskilled Workers.....	70	.80	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,640	18.55	na	na
Bookkeepers, Hand.....	40	.49	44.03	11
Cashiers.....	810	9.13	15.72	61
Film Bookers.....	100	1.09	37.29	13
General Clerks, Office.....	300	3.32	30.20	27
Secretaries.....	110	1.25	24.90	26
All Other Clerical Workers.....	280	3.18	na	na
SALES OCCUPATIONS, TOTAL.....	820	9.28	na	na
Sales Clerks.....	750	8.46	39.43	26
Sales Representatives, Sales Agents, and/or Sales Associates.....	70	.77	43.51	8

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	87
Motion Picture Projectionists.....	71
Cashiers.....	61
Ushers, Lobby Attendants, Ticket Takers, and/or Drive-In Theater Attendants.....	58
Janitors, Porters, and Cleaners.....	57

Table 27
SIC 78
Motion Pictures
Dallas-Fort Worth SMSA

This major group includes establishments producing and distributing motion pictures, exhibiting motion pictures in commercially operated theaters, and furnishing services to the motion picture industry. The term "motion pictures" includes similar productions for television or other media using film, tape, or other means.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,520	100.00	na	na
MANAGERS AND OFFICERS.....	310	12.35	16.23	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	170	6.81	na	na
Photographers.....	30	1.07	43.44	20
All Other Professional and Technical Workers.....	140	5.74	na	na
SERVICE OCCUPATIONS, TOTAL.....	860	34.18	na	na
Supervisors, Nonworking-Service. Food Preparation and Service Workers, Fast Food Restaurant.	40	1.39	43.65	13
Guards and Doorkeepers.....	280	10.96	37.48	20
Janitors, Porters, and Cleaners.	40	1.59	32.20	23
Ushers, Lobby Attendants, Ticket Takers, and/or Drive-In Theater Attendants.....	100	4.10	16.37	37
All Other Food Service Workers..	290	11.51	11.16	40
All Other Food Service Workers..	110	4.46	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	330	13.31	na	na
Motion Picture Projectionists...	220	8.60	9.78	47
All Other Skilled Craftsmen and Kindred Workers.....	2/			
All Other Operatives and Semi- skilled Workers.....	100	4.02	na	na

Table 27 (Continued) Motion Pictures, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Laborers and Unskilled Workers.....	2/			
CLERICAL OCCUPATIONS, TOTAL.....	620	24.42	na	na
Cashiers.....	190	7.41	20.70	43
Film Bookers.....	80	3.30	45.67	23
General Clerks, Office.....	140	5.57	35.64	43
Secretaries.....	60	2.19	24.64	37
All Other Clerical Workers.....	150	5.94	na	na
SALES OCCUPATIONS, TOTAL.....	230	8.92	na	na
Sales Clerks.....	170	6.65	38.65	13
All Other Sales Workers.....	60	2.27	na	na

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	83
Motion Picture Projectionists.....	47
Cashiers.....	43
General Clerks, Office.....	43

Table 28
SIC 78
Motion Pictures
Houston SMSA

This major group includes establishments producing and distributing motion pictures, exhibiting motion pictures in commercially operated theaters, and furnishing services to the motion picture industry. The term "motion pictures" includes similar productions for television or other media using film, tape, or other means.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,730	100.00	na	na
MANAGERS AND OFFICERS.....	220	12.54	23.35	92
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	120	7.28	na	na
Photographers.....	40	2.50	12.09	28
Writers and/or Editors.....	40	2.45	36.94	12
All Other Professional and Technical Workers.....	40	2.29	na	na
SERVICE OCCUPATIONS, TOTAL.....	650	37.36	na	na
Ushers, Lobby Attendants, Ticket Takers, and/or Drive-In Theater Attendants.....	270	15.51	34.53	60
All Other Service Workers.....	380	21.78	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	240	13.75	na	na
Motion Picture Projectionists...	200	11.40	30.14	64
All Other Operatives and Semi- skilled Workers.....	40	2.18	na	na
CLERICAL OCCUPATIONS, TOTAL.....	370	21.38	na	na
Cashiers.....	270	15.45	21.87	64
All Other Clerical Workers.....	100	5.85	na	na

Table 28 (Continued) Motion Pictures, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS.....	130	7.62	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	92
Cashiers.....	64
Motion Picture Projectionists.....	64
Ushers, Lobby Attendants, Ticket Takers, and/or Drive-In Theater Attendants.....	60

Table 29
SIC 783
Motion Picture Theaters
Statewide

This group includes commercially operated indoor and outdoor motion picture theaters.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	7,330	100.00	na	na
MANAGERS AND OFFICERS.....	690	9.47	16.99	84
PROFESSIONAL AND TECHNICAL OCCUPATIONS.....	50	.67	na	na
SERVICE OCCUPATIONS, TOTAL.....	3,500	47.62	na	na
Supervisors, Nonworking-Service. Cooks, Short Order and/or	40	.50	41.29	7
Specialty Fast Foods.....	170	2.30	49.71	16
Food Preparation and Service Workers, Fast Food Restaurant.	830	11.27	40.24	25
Janitors, Porters, and Cleaners.	640	8.74	16.94	78
Ushers, Lobby Attendants, Ticket Takers, and/or Drive-In				
Theater Attendants.....	1,150	15.66	14.56	82
All Other Food Service Workers..	510	6.95	na	na
All Other Service Workers.....	160	2.13	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	1,270	17.31	na	na
Maintenance Repairers, General Utility.....	30	.42	39.46	9
Motion Picture Projectionists...	1,230	16.74	14.01	97
All Other Operatives and Semi- skilled Workers.....	2/			
All Other Laborers and Unskilled Workers.....	2/			
CLERICAL OCCUPATIONS, TOTAL.....	1,070	14.65	na	na
Cashiers.....	790	10.74	15.92	83
General Clerks, Office.....	190	2.62	39.67	24
All Other Clerical Workers.....	90	1.27	na	na

Table 29 (Continued) Motion Picture Theaters, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	750	10.26	na	na
Sales Clerks.....	750	10.26	39.43	37

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Motion Picture Projectionists.....	97
Managers and Officers.....	84
Cashiers.....	83
Ushers, Lobby Attendants, Ticket Takers, and/or Drive-In Theater Attendants.....	82
Janitors, Porters, and Cleaners.....	78

Table 30
SIC 80
Health Services
Corpus Christi SMSA

This major group includes establishments, associations, or groups primarily engaged in furnishing medical, surgical, and other health services to persons or members.

Occupation	Estimated Empl.	% of Total Empl. <u>1/</u>	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,680	100.00	na	na
MANAGERS AND OFFICERS.....	130	4.79	6.17	39
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,030	38.05	na	na
Dental Assistants.....	110	4.12	36.46	4
Licensed Practical Nurses.....	250	9.22	4.65	29
Medical Laboratory Technicians..	30	1.16	13.54	13
Medical Laboratory Technologists	30	1.23	11.53	8
Nurses, Professional.....	140	5.05	7.64	33
Physicians and/or Surgeons.....	140	5.09	6.81	43
Physician's Assistants.....	30	.97	27.09	8
Radiologic Technicians.....	40	1.34	10.37	13
All Other Medical and Dental Technologists and Technicians.	70	2.69	na	na
All Other Professional Workers..	190	7.18	na	na
SERVICE OCCUPATIONS, TOTAL.....	750	28.17	na	na
Cooks, Institution.....	40	1.49	2.83	7
Kitchen Helpers.....	60	2.06	17.82	5
Maids.....	80	3.03	7.11	19
Medical Assistants.....	80	3.14	12.28	24
Nurse Aides and/or Orderlies....	420	15.62	.87	9
All Other Janitors, Porters, and Cleaners.....	60	2.36	na	na
All Other Service Workers.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	150	5.87	na	na
Dental Laboratory Technicians...	30	1.23	37.75	4
Gardeners and Groundskeepers....	30	1.23	40.69	9

Table 30 (Continued) Health Services, Corpus Christi SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
Opticians, Dispensing and/or Optical Mechanics.....	30	.93	23.38	3
Washers, Machine and/or Starchers.....	30	1.23	24.91	5
All Other Operatives and Semi- skilled Workers.....	30	1.23	na	na
CLERICAL OCCUPATIONS, TOTAL.....	620	22.86	na	na
Bookkeepers, Hand.....	60	2.39	21.86	23
File Clerks.....	30	.97	20.46	10
General Clerks, Office.....	80	2.92	15.26	23
Insurance Clerks, Medical.....	60	2.36	8.86	27
Receptionists.....	160	5.84	10.92	48
Secretaries.....	110	4.04	20.72	33
All Other Office Clerical Workers.....	120	4.34	na	na

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Receptionists.....	48
Physicians and/or Surgeons.....	43
Managers and Officers.....	39
Nurses, Professional.....	33
Secretaries.....	33

Table 31
SIC 808
Outpatient Care Facilities
Statewide

This group includes establishments primarily engaged in outpatient care with permanent facilities and with medical staff to provide diagnosis, treatment, or both for patients who are ambulatory and do not require inpatient care. Also included are associations or groups formed primarily to provide medical or other health service to their members, and which themselves provide these facilities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,120	100.00	na	na
MANAGERS AND OFFICERS.....	410	13.22	7.29	88
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,430	45.34	na	na
Accountants and Auditors.....	40	1.22	21.44	23
Caseworkers.....	220	7.11	14.92	49
Licensed Practical Nurses.....	180	5.63	18.78	39
Nurses, Professional.....	210	6.72	12.56	52
Occupational Therapists.....	50	1.44	29.76	14
Physical Therapists.....	130	4.08	34.91	20
Physical Therapy Assistants.....	50	1.60	43.71	12
Physicians and/or Surgeons.....	80	2.41	18.85	26
Radiologic Technicians.....	30	1.02	30.00	14
Speech Pathologists and/or Audiologists.....	110	3.41	29.17	19
All Other Medical and Dental Technologists and Technicians.	40	1.38	na	na
All Other Therapists.....	150	4.85	na	na
All Other Professional and Technical Workers.....	140	4.50	na	na
SERVICE OCCUPATIONS, TOTAL.....	530	16.96	na	na
Medical Assistants.....	100	3.18	39.41	16
Nurses Aides and/or Orderlies...	200	6.43	35.86	32
Social Service Aides.....	120	3.89	27.28	23
All Other Service Workers.....	110	3.47	na	na

Table 31 (Continued) Outpatient Care Facilities, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	80	2.44	na	na
Maintenance Repairers, General Utility.....	40	1.41	24.73	20
All Other Skilled Craftsmen and Kindred Workers.....	<u>2/</u>			
All Other Operatives and Semi- skilled Workers.....	<u>2/</u>			
All Other Laborers and Unskilled Workers.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	670	21.52	na	na
Clerical Supervisors, Office or Plant.....	40	1.22	18.95	22
Bookkeepers, Hand.....	90	2.92	12.57	52
General Clerks, Office.....	170	5.53	20.85	42
Receptionists.....	130	4.24	22.76	46
Secretaries.....	100	3.34	12.90	48
Typists.....	40	1.12	18.17	23
All Other Clerical Workers.....	100	3.15	na	na

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	88
Bookkeepers, Hand.....	52
Nurses, Professional.....	52
Caseworkers.....	49
Secretaries.....	48

Table 32
SIC 81
Legal Services
Austin SMSA

This major group includes establishments engaged in offering legal advice or legal services, the head or heads of which are members of the bar.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,260	100.00	na	na
MANAGERS AND OFFICERS.....	90	6.84	12.02	38
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	550	43.91	na	na
Law Clerks.....	210	16.54	7.23	71
Lawyers.....	270	21.32	5.11	67
Paralegal Personnel.....	60	4.61	17.06	28
All Other Professional Workers..	<u>2/</u>			
SERVICE OCCUPATIONS.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	610	48.69	na	na
General Clerks, Office.....	40	3.18	23.50	21
Messengers.....	50	3.81	15.38	22
Secretaries.....	340	27.20	3.06	95
Switchboard Operator- Receptionists.....	30	2.54	9.84	31
Typists.....	40	3.34	14.91	24
All Other Office Clerical Workers.....	110	8.59	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 32 (Continued) Legal Services, Austin SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Secretaries.....	95
Law Clerks.....	71
Lawyers.....	67

Table 33
SIC 81
Legal Services
Houston SMSA

This major group includes establishments engaged in offering legal advice or legal services, the head or heads of which are members of the bar.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	6,740	100.00	na	na
MANAGERS AND OFFICERS.....	330	4.87	14.59	47
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	2,530	37.51	na	na
Law Clerks.....	490	7.29	11.80	52
Lawyers.....	1,710	25.36	4.09	78
Librarians, Professional.....	30	.47	19.04	11
Paralegal Personnel.....	280	4.11	8.52	31
All Other Professional Workers..	<u>2/</u>			
SERVICE OCCUPATIONS, TOTAL.....	60	.85	na	na
Janitors, Porters, and Cleaners.	40	.54	35.38	8
All Other Service Workers.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	3,800	56.54	na	na
Accounting Clerks.....	130	1.94	13.35	24
Bookkeepers, Hand.....	160	2.42	14.26	38
File Clerks.....	120	1.81	14.35	27
General Clerks, Office.....	60	.86	23.47	17
Messengers.....	140	2.09	10.41	22
Receptionists.....	170	2.58	13.93	29
Secretaries.....	2,510	37.30	2.83	98
Stenographers.....	40	.63	37.69	7
Switchboard Operator- Receptionists.....	120	1.76	15.58	35

Table 33 (Continued) Legal Services, Houston SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Switchboard Operators.....	40	.54	19.48	8
Typists.....	110	1.66	9.14	12
All Other Clerical Workers.....	200	2.94	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Secretaries.....	98
Lawyers.....	78
Law Clerks.....	52
Managers and Officers.....	47
Bookkeepers, Hand.....	38

Table 34
SIC 81
Legal Services
San Antonio SMSA

This major group includes establishments engaged in offering legal advice or legal services, the head or heads of which are members of the bar.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,790	100.00	na	na
MANAGERS AND OFFICERS.....	170	9.37	9.91	34
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	710	39.51	na	na
Law Clerks.....	180	10.21	5.88	53
Lawyers.....	430	24.13	4.39	76
Paralegal Personnel.....	70	3.64	15.87	17
All Other Professional Workers..	30	1.52	na	na
CLERICAL OCCUPATIONS, TOTAL.....	910	50.45	na	na
Bookkeepers, Hand.....	60	3.42	11.18	33
File Clerks.....	30	1.40	17.07	16
Messengers.....	30	1.85	16.08	14
Receptionists.....	60	3.14	12.75	36
Secretaries.....	560	31.14	4.05	96
Switchboard Operator- Receptionists.....	50	2.69	9.62	30
Typists.....	30	1.57	22.79	9
All Other Office Clerical Workers.....	90	5.22	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Secretaries.....	96
Lawyers.....	76
Law Clerks.....	53

Table 35
SIC 83
Social Services
Statewide

This major group includes establishments providing social services and rehabilitation services to those persons with social or personal problems requiring special services and to the handicapped and the disadvantaged. Also included are organizations soliciting funds to be used directly for these and related services.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	45,050	100.00	na	na
MANAGERS AND OFFICERS.....	4,510	10.03	5.26	83
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	10,240	22.65	na	na
Accountants and Auditors.....	310	.68	17.38	19
Budget Analysts.....	40	.09	42.81	4
Caseworkers.....	2,020	4.48	13.33	28
Clergy.....	40	.08	21.06	3
Community Organization Workers..	560	1.23	45.70	10
Dietitians and/or Nutritionists..	260	.58	28.49	12
Group Recreation Workers.....	890	1.97	22.95	16
Licensed Practical Nurses.....	510	1.12	15.32	10
Nurses, Professional.....	300	.66	10.36	11
Physical Therapists.....	60	.12	44.74	3
Psychologists.....	60	.13	22.87	4
Public Relations Practitioners..	90	.20	20.28	8
Purchasing Agents and/or Buyers..	70	.14	18.20	7
Teachers and/or Instructors, Nonvocational Education.....	340	.75	23.08	6
Teachers and/or Instructors, Vocational Education or Training.....	490	1.07	21.47	6
Teachers, Preschool or Kindergarten.....	2,510	5.58	10.29	23
Vocational and Educational Counselors.....	930	2.06	38.38	16
All Other Teachers.....	30	.05	na	na
All Other Therapists.....	90	.19	na	na
All Other Professional Workers..	500	1.11	na	na
All Other Technical Workers.....	140	.30	na	na

Table 35 (Continued) Social Services, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SERVICE OCCUPATIONS, TOTAL.....	19,090	42.41	na	na
Supervisors, Nonworking-Service.	320	.70	38.77	7
Child Care Attendants.....	1,000	2.22	22.72	7
Child Care Workers.....	9,230	20.52	5.90	41
Cooks, Institution.....	1,720	3.82	10.05	44
Dining Room Attendants, Bar- tender Helpers, or Cafeteria Attendants.....	160	.36	18.20	3
Guards and Doorkeepers.....	220	.48	29.88	5
House Cleaners.....	280	.62	19.64	12
Kitchen Helpers.....	480	1.06	12.54	14
Maids.....	310	.69	9.55	8
Medical Assistants.....	40	.07	33.54	2
Nurse Aides and/or Orderlies....	1,480	3.28	14.64	8
Psychiatric Aides.....	330	.72	0.00	1
Social Service Aides.....	1,390	3.08	20.52	17
Waiters/Waitresses.....	80	.18	31.98	1
All Other Food Service Workers..	190	.43	na	na
All Other Janitors, Porters, and Cleaners.....	1,100	2.44	na	na
All Other Service Workers.....	760	1.69	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	3,380	7.51	na	na
Supervisors, Nonworking.....	160	.34	13.38	8
Bus Drivers, School.....	490	1.08	17.20	13
Carpenters.....	250	.55	39.05	4
Gardeners and Groundskeepers....	110	.24	15.29	5
Laundry Pressers, Machine.....	30	.06	12.80	1
Maintenance Repairers, General Utility.....	360	.80	10.48	16
Markers, Classifiers, Wet Wash Assemblers, Detachers, and/or Checkers.....	30	.07	12.91	1
Painters, Maintenance.....	30	.07	24.05	2
Plumbers and/or Pipefitters.....	60	.14	40.33	1
Truck Drivers.....	280	.62	11.21	7
Washers, Machine and/or Starchers.....	130	.28	13.39	5
All Other Skilled Craftsmen and Kindred Workers.....	130	.30	na	na
All Other Operatives and Semi- skilled Workers.....	1,180	2.61	na	na
All Other Laborers and Unskilled Workers.....	140	.30	na	na

Table 35 (Continued) Social Services, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	7,280	16.18	na	na
Clerical Supervisors, Office or Plant.....	220	.48	26.50	11
Accounting Clerks.....	220	.48	27.12	12
Bookkeepers, Hand.....	530	1.18	16.48	28
Bookkeeping and/or Billing Machine Operators.....	150	.33	23.59	9
Cashiers.....	30	.05	31.17	1
File Clerks.....	230	.52	36.34	7
General Clerks, Office.....	930	2.07	24.18	22
Payroll and/or Timekeeping Clerks.....	70	.14	24.59	6
Personnel Clerks.....	100	.21	20.89	8
Procurement Clerks.....	30	.07	38.38	2
Receptionists.....	420	.93	22.53	17
Secretaries.....	1,410	3.13	8.68	48
Stock Clerks-Stockroom, Ware- house, or Storage Yard.....	30	.05	32.60	1
Switchboard Operator- Receptionists.....	270	.60	19.66	16
Switchboard Operators.....	70	.16	37.24	5
Teacher Aides and/or Educational Assistants.....	1,790	3.99	18.57	17
Typists.....	630	1.39	27.17	19
All Other Office Machine Operators.....	40	.09	na	na
All Other Office Clerical Workers.....	80	.18	na	na
All Other Plant Clerical Workers	30	.07	na	na
SALES OCCUPATIONS, TOTAL.....	550	1.22	na	na
Sales Clerks.....	180	.40	23.69	1
All Other Sales Workers.....	370	.82	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	83
Secretaries.....	48
Cooks, Institution.....	44
Child Care Workers.....	41

Table 36
SIC 83
Social Services
Austin SMSA

This major group includes establishments providing social services and rehabilitation services to those persons with social or personal problems requiring special services and to the handicapped and the disadvantaged. Also included are organizations soliciting funds to be used directly for these and related services.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,970	100.00	na	na
MANAGERS AND OFFICERS.....	290	9.82	16.72	92
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	720	24.48	na	na
Caseworkers.....	160	5.48	20.29	44
Nurses, Professional.....	40	1.48	27.98	13
Teachers and/or Instructors, Nonvocational Education.....	30	1.11	0.00	8
Vocational and Educational Counselors.....	70	2.45	30.31	26
All Other Professional and Technical Workers.....	420	13.97	na	na
SERVICE OCCUPATIONS, TOTAL.....	1,430	48.12	na	na
Child Care Attendants.....	50	1.64	7.24	10
Child Care Workers.....	520	17.56	21.92	31
Cooks, Institution.....	100	3.39	22.07	31
Kitchen Helpers.....	40	1.37	39.84	13
Social Service Aides.....	60	1.88	46.34	21
All Other Food Service Workers.....	40	1.41	na	na
All Other Service Workers.....	620	20.89	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	170	5.67	na	na
Bus Drivers, School.....	60	2.08	46.50	18
Maintenance Repairers, General Utility.....	30	1.11	23.27	26

Table 36 (Continued) Social Services, Austin SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	<u>2/</u>			
All Other Operatives and Semi- skilled Workers.....	30	1.14	na	na
All Other Laborers and Unskilled Workers.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....	330	10.85	na	na
Secretaries.....	80	2.52	24.17	56
All Other Clerical Workers.....	250	8.33	na	na
SALES OCCUPATIONS.....	30	1.07	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	92
Secretaries.....	56
Caseworkers.....	44
Child Care Workers.....	31
Cooks, Institution.....	31

Table 37
SIC 83
Social Services
Dallas-Fort Worth SMSA

This major group includes establishments providing social services and rehabilitation services to those persons with social or personal problems requiring special services and to the handicapped and the disadvantaged. Also included are organizations soliciting funds to be used directly for these and related services.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	9,650	100.00	na	na
MANAGERS AND OFFICERS.....	950	9.86	6.33	75
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	2,500	26.13	na	na
Accountants and Auditors.....	40	.44	19.18	16
Caseworkers.....	350	3.64	17.15	24
Community Organization Workers..	120	1.27	5.38	9
Dietitians and/or Nutritionists.	60	.62	26.69	13
Group Recreation Workers.....	210	2.23	22.52	16
Licensed Practical Nurses.....	110	1.12	18.99	9
Nurses, Professional.....	70	.76	16.95	9
Teachers and/or Instructors, Vocational Education or Training.....	120	1.29	44.45	5
Teachers, Preschool or Kindergarten.....	1,060	11.02	12.96	32
Vocational and Educational Counselors.....	110	1.17	15.55	14
All Other Teachers.....	80	.79	na	na
All Other Professional and Technical Workers.....	170	1.79	na	na
SERVICE OCCUPATIONS, TOTAL.....	3,780	39.16	na	na
Supervisors, Nonworking-Service.	40	.36	35.72	5
Child Care Attendants.....	250	2.62	42.23	6
Child Care Workers.....	2,020	21.03	11.13	40
Cooks, Institution.....	280	2.88	10.23	38
Dining Room Attendants, Bar- tender Helpers, or Cafeteria Attendants.....	50	.47	28.68	4

Table 37 (Continued) Social Services, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ₁ /	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SERVICE OCCUPATIONS (Continued)				
House Cleaners.....	100	1.05	16.08	16
Kitchen Helpers.....	80	.84	17.34	9
Maids.....	40	.42	17.38	5
Nurse Aides and/or Orderlies....	370	3.90	16.72	7
Social Service Aides.....	230	2.34	38.35	11
All Other Food Service Workers..	40	.44	na	na
All Other Janitors, Porters, and Cleaners.....	160	1.63	na	na
All Other Service Workers.....	120	1.21	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	990	10.23	na	na
Supervisors, Nonworking.....	40	.45	19.19	5
Bus Drivers, School.....	80	.81	30.03	11
Maintenance Repairers, General Utility.....	100	1.08	12.06	17
Truck Drivers.....	120	1.21	1.38	3
All Other Skilled Craftsmen and Kindred Workers.....	40	.36	na	na
All Other Operatives and Semi- skilled Workers.....	550	5.70	na	na
All Other Laborers and Unskilled Workers.....	60	.60	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,290	13.28	na	na
Clerical Supervisors, Office or Plant.....	40	.36	16.88	9
Accounting Clerks.....	50	.46	17.22	14
Bookkeepers, Hand.....	100	1.07	13.77	34
General Clerks, Office.....	170	1.73	36.33	19
Receptionists.....	60	.61	19.48	16
Secretaries.....	310	3.26	7.36	37
Switchboard Operator- Receptionists.....	60	.59	15.84	18
Teacher Aides and/or Educational Assistants.....	240	2.50	39.40	12
Typists.....	150	1.56	21.03	20
All Other Clerical Workers.....	110	1.12	na	na

Table 37 (Continued) Social Services, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SALES OCCUPATIONS, TOTAL.....	140	1.36	na	na
Contribution Solicitors.....	50	.47	24.31	7
All Other Sales Workers.....	90	.88	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	75
Child Care Workers.....	40
Cooks, Institution.....	38
Secretaries.....	37
Bookkeepers, Hand.....	34

Table 38
SIC 83
Social Services
El Paso SMSA

This major group includes establishments providing social services and rehabilitation services to those persons with social or personal problems requiring special services and to the handicapped and the disadvantaged. Also included are organizations soliciting funds to be used directly for these and related services.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,370	100.00	na	na
MANAGERS AND OFFICERS.....	110	8.04	6.44	89
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	390	28.33	na	na
Caseworkers.....	90	6.74	5.83	56
Community Organization Workers..	50	3.48	8.00	19
Teachers and/or Instructors, Nonvocational Education.....	30	2.39	14.95	11
All Other Teachers.....	90	6.34	na	na
All Other Professional and Technical Workers.....	130	9.32	na	na
SERVICE OCCUPATIONS, TOTAL.....	510	37.65	na	na
Child Care Attendants.....	50	3.77	6.22	11
Child Care Workers.....	200	14.64	19.39	26
Kitchen Helpers.....	40	2.82	19.72	15
Social Service Aides.....	70	5.22	5.87	22
All Other Food Service Workers..	30	2.40	na	na
All Other Service Workers.....	120	8.67	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	140	10.05	na	na
CLERICAL OCCUPATIONS, TOTAL.....	220	15.59	na	na
Secretaries.....	50	3.33	10.45	56
All Other Clerical Workers.....	170	12.24	na	na

^{1/} Based on unrounded data.

Table 38 (Continued) Social Services, El Paso SMSA

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	89
Caseworkers.....	56
Secretaries.....	56

Table 39
SIC 83
Social Services
San Antonio SMSA

This major group includes establishments providing social services and rehabilitation services to those persons with social or personal problems requiring special services and to the handicapped and the disadvantaged. Also included are organizations soliciting funds to be used directly for these and related services.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	3,970	100.00	na	na
MANAGERS AND OFFICERS.....	490	12.30	7.01	94
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	880	22.04	na	na
Accountants and Auditors.....	40	.98	31.12	23
Caseworkers.....	340	8.57	8.27	48
Community Organization Workers..	30	.80	32.28	12
Group Recreation Workers.....	80	1.96	10.21	29
Licensed Practical Nurses.....	50	1.15	28.51	13
Teachers and/or Instructors, Vocational Education or Training.....	30	.75	33.10	6
Vocational and Educational Counselors.....	80	2.04	16.14	25
All Other Teachers.....	90	2.34	na	na
All Other Professional and Technical Workers.....	140	3.45	na	na
SERVICE OCCUPATIONS, TOTAL.....	1,590	39.78	na	na
Child Care Attendants.....	80	1.89	40.30	8
Child Care Workers.....	780	19.58	25.91	35
Cooks, Institution.....	130	3.25	19.18	38
Maids.....	30	.83	25.32	6
Nurse Aides and/or Orderlies....	160	4.03	34.95	6
Social Service Aides.....	200	5.01	12.79	29
All Other Food Service Workers..	40	.96	na	na
All Other Janitors, Porters, and Cleaners.....	100	2.44	na	na
All Other Service Workers.....	70	1.84	na	na

Table 39 (Continued) Social Services, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	330	8.35	na	na
Bus Drivers, School.....	70	1.86	32.65	10
Maintenance Repairers, General Utility.....	30	.80	14.71	23
All Other Skilled Craftsmen and Kindred Workers.....	40	1.01	na	na
All Other Operatives and Semi- skilled Workers.....	160	4.00	na	na
All Other Laborers and Unskilled Workers.....	30	.68	na	na
CLERICAL OCCUPATIONS, TOTAL.....	680	16.99	na	na
Clerical Supervisors, Office or Plant.....	30	.75	7.50	13
Bookkeepers, Hand.....	40	1.10	14.73	31
General Clerks, Office.....	40	.90	15.77	17
Secretaries.....	190	4.71	13.04	75
Typists.....	90	2.16	8.33	27
All Other Clerical Workers.....	290	7.35	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	94
Secretaries.....	75
Caseworkers.....	48
Cooks, Institution.....	38
Child Care Workers.....	35

Table 40
SIC 832
Individual and Family Social Services
Statewide

This group includes establishments primarily engaged in providing one or more of a wide variety of individual and family social, counseling, welfare, or referral services, including refugee, disaster, and temporary relief services. Included are offices of specialists providing counseling, referral, and other social services. Government offices directly concerned with the delivery of social services to individuals and families, such as issuing of welfare aid, rent supplements, food stamps, eligibility casework, etc. are included here, but central administration of these programs are classified elsewhere.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,510	100.00	na	na
MANAGERS AND OFFICERS.....	800	14.69	8.21	97
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	2,200	39.92	na	na
Caseworkers.....	940	17.27	18.53	54
Community Organization Workers..	70	1.31	26.74	15
Group Recreation Workers.....	560	10.27	30.13	23
Licensed Practical Nurses.....	50	.84	35.64	7
Nurses, Professional.....	120	2.10	19.28	17
Public Relations Practitioners..	30	.47	16.12	13
Teachers and/or Instructors, Nonvocational Education.....	60	1.00	37.09	8
Teachers, Preschool or Kinder- garten.....	60	1.09	44.55	3
Vocational and Educational Counselors.....	130	2.29	19.71	20
All Other Teachers.....	30	.62	na	na
All Other Professional Workers..	120	2.14	na	na
All Other Technical Workers.....	30	.49	na	na
SERVICE OCCUPATIONS, TOTAL.....	1,150	21.00	na	na
Child Care Attendants.....	50	.87	35.10	3
Child Care Workers.....	310	5.67	19.24	12
Cooks, Institution.....	130	2.40	17.83	24
House Cleaners.....	30	.58	23.09	9

Table 40 (Continued) Individual and Family Social Services, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SERVICE OCCUPATIONS (Continued)				
Nurse Aides and/or Orderlies....	70	1.19	30.03	7
Social Service Aides.....	310	5.58	29.43	22
All Other Food Service Workers..	30	.62	na	na
All Other Janitors, Porters, and Cleaners.....	120	2.25	na	na
All Other Service Workers.....	100	1.81	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....				
	350	6.33	na	na
Maintenance Repairers, General Utility.....	60	1.00	22.76	17
Truck Drivers.....	30	.45	30.50	6
All Other Skilled Craftsmen and Kindred Workers.....	120	2.20	na	na
All Other Operatives and Semi- skilled Workers.....	110	2.09	na	na
All Other Laborers and Unskilled Workers.....	30	.59	na	na
CLERICAL OCCUPATIONS, TOTAL.....	970	17.43	na	na
Clerical Supervisors, Office or Plant.....	30	.45	18.39	12
Bookkeepers, Hand.....	100	1.81	10.60	40
General Clerks, Office.....	70	1.24	18.04	20
Receptionists.....	90	1.64	15.85	30
Secretaries.....	360	6.50	8.06	73
Switchboard Operator- Receptionists.....	30	.53	16.46	14
Typists.....	130	2.34	24.95	23
All Other Clerical Workers.....	160	2.89	na	na
SALES OCCUPATIONS.....	40	.64	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	97
Secretaries.....	73
Caseworkers.....	54
Bookkeepers, Hand.....	40

Table 41
SIC 833
Job Training and Vocational Rehabilitation Services
Statewide

This group includes establishments engaged in job training and vocational rehabilitation services.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	6,090	100.00	na	na
MANAGERS AND OFFICERS.....	480	7.82	15.34	98
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,500	24.68	na	na
Accountants and Auditors.....	50	.75	23.71	36
Personnel and Labor Relations Specialists.....	60	.98	24.51	33
Public Relations Practitioners..	40	.59	26.63	42
Teachers and/or Instructors, Nonvocational Education.....	240	3.90	31.60	33
Teachers and/or Instructors, Vocational Education or Training.....	380	6.30	24.85	47
Vocational and Educational Counselors.....	290	4.80	28.24	51
All Other Professional and Technical Workers.....	440	7.29	na	na
SERVICE OCCUPATIONS, TOTAL.....	1,450	23.85	na	na
Supervisors, Nonworking-Service.	100	1.60	43.37	13
Guards and Doorkeepers.....	150	2.51	38.52	27
Social Service Aides.....	120	2.03	46.74	31
All Other Service Workers.....	1,080	17.68	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	1,350	22.09	na	na
Supervisors, Nonworking.....	40	.68	32.22	29
Plumbers and/or Pipefitters.....	30	.49	38.60	9
Truck Drivers.....	60	.96	14.22	16

Table 41 (Continued) Job Training and Vocational Rehabilitation Services, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	190	3.09	na	na
All Other Operatives and Semi- skilled Workers.....	940	15.38	na	na
All Other Laborers and Unskilled Workers.....	90	1.46	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,140	18.70	na	na
Clerical Supervisors, Office or Plant.....	70	1.14	40.33	20
Accounting Clerks.....	50	.86	18.01	38
General Clerks, Office.....	190	3.05	34.16	38
Payroll and/or Timekeeping Clerks.....	40	.68	32.80	40
Receptionists.....	70	1.06	46.04	31
Secretaries.....	210	3.37	17.29	78
Typists.....	110	1.87	22.41	36
All Other Clerical Workers.....	400	6.60	na	na
SALES OCCUPATIONS, TOTAL.....	170	2.83	na	na
Sales Clerks.....	130	2.11	0.00	7
All Other Sales Workers.....	40	.71	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	98
Secretaries.....	78
Vocational and Educational Counselors.....	51
Teachers and/or Instructors, Vocational Education or Training.....	47
Public Relations Practitioners.....	42

Table 42
SIC 836
Residential Care
Statewide

This group includes establishments primarily engaged in the provision of residential social and personal care for children, the aged, and special categories of persons, with some limits on ability for self-care but where medical care is not a major element. Included are establishments providing 24-hour, year round, care for children.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	7,460	100.00	na	na
MANAGERS AND OFFICERS.....	480	6.35	8.44	92
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,310	17.48	na	na
Caseworkers.....	310	4.05	11.76	50
Dietitians and/or Nutritionists.....	60	.73	12.27	37
Group Recreation Workers.....	110	1.44	15.71	46
Licensed Practical Nurses.....	340	4.51	15.10	32
Nurses, Professional.....	140	1.89	12.36	37
Teachers and/or Instructors, Nonvocational Education.....	40	.48	9.57	7
Teachers and/or Instructors, Vocational Education or Training.....	40	.53	29.52	7
Vocational and Educational Counselors.....	40	.51	33.23	13
All Other Professional and Technical Workers.....	230	3.03	na	na
SERVICE OCCUPATIONS, TOTAL.....	4,360	58.40	na	na
Child Care Attendants.....	240	3.10	30.69	12
Child Care Workers.....	960	12.55	12.69	43
Cooks, Institution.....	390	5.06	6.85	76
Dining Room Attendants, Bar- tender Helpers, or Cafeteria Attendants.....	140	1.85	19.24	17
House Cleaners.....	70	.96	16.62	22
Kitchen Helpers.....	220	2.91	13.01	36

Table 42 (Continued) Residential Care, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SERVICE OCCUPATIONS (Continued)				
Maids.....	270	3.59	10.05	39
Nurse Aides and/or Orderlies....	1,250	16.45	15.06	33
Psychiatric Aides.....	330	4.31	0.00	4
Social Service Aides.....	140	1.84	22.23	12
Waiters/Waitresses.....	70	.96	33.00	7
All Other Food Service Workers..	40	.50	na	na
All Other Janitors, Porters, and Cleaners.....	130	1.69	na	na
All Other Service Workers.....	110	1.51	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....				
	540	7.23	na	na
Gardeners and Groundskeepers....	70	.96	15.12	28
Maintenance Repairers, General Utility.....	220	2.94	7.42	64
Washers, Machine and/or Starchers.....	120	1.53	13.72	32
All Other Skilled Craftsmen and Kindred Workers.....	50	.62	na	na
All Other Operatives and Semi- skilled Workers.....	60	.79	na	na
All Other Laborers and Unskilled Workers.....	<u>2/</u>			
CLERICAL OCCUPATIONS, TOTAL.....				
	750	10.07	na	na
Bookkeepers, Hand.....	70	.94	27.78	36
Bookkeeping and/or Billing Machine Operators.....	40	.55	19.99	20
General Clerks, Office.....	120	1.63	24.95	30
Secretaries.....	230	2.97	11.05	58
Switchboard Operator- Receptionists.....	70	.89	16.81	29
Typists.....	70	.89	19.53	24
All Other Clerical Workers.....	150	2.02	na	na
SALES OCCUPATIONS.....				
	<u>2/</u>			

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

Table 42 (Continued) Residential Care, Statewide

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	92
Cooks, Institution.....	76
Maintenance Repairers, General Utility.....	64
Secretaries.....	58
Caseworkers.....	50

Table 43
SIC 86
Membership Organizations
Austin SMSA

This major group includes organizations operating on a membership basis for the promotion of the interests of the members. Included are trade associations; professional membership organizations; labor unions and similar labor organizations; and political and religious organizations.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,450	100.00	na	na
MANAGERS AND OFFICERS.....	580	23.78	11.32	96
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	510	20.69	na	na
Accountants and Auditors.....	30	1.05	18.34	23
Community Organization Workers..	40	1.62	26.85	5
Writers and/or Editors.....	60	2.56	16.10	34
All Other Professional and Technical Workers.....	380	15.43	na	na
SERVICE OCCUPATIONS.....	80	3.35	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	30	1.18	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,230	49.96	na	na
Accounting Clerks.....	50	1.95	40.50	25
Bookkeepers, Hand.....	60	2.32	31.15	32
General Clerks, Office.....	130	5.17	19.17	39
Keypunch Operators.....	60	2.24	18.45	5
Mail Clerks.....	50	1.99	13.95	18
Receptionists.....	50	2.11	37.70	25
Secretaries.....	340	13.76	11.19	75
Switchboard Operator- Receptionists.....	30	1.38	23.55	27
Typists.....	90	3.74	34.57	30
All Other Clerical Workers.....	370	15.18	na	na

Table 43 (Continued) Membership Organizations, Austin SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
------------	--------------------	--------------------------------------	-----------------------------------	--

SALES OCCUPATIONS..... 2/

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	96
Secretaries.....	75
General Clerks, Office.....	39
Writers and/or Editors.....	34
Bookkeepers, Hand.....	32

Table 44
SIC 86
Membership Organizations
Dallas-Fort Worth SMSA

This major group includes organizations operating on a membership basis for the promotion of the interests of the members. Included are trade associations; professional membership organizations; labor unions and similar labor organizations; and political and religious organizations.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	5,580	100.00	na	na
MANAGERS AND OFFICERS.....	1,510	27.26	5.85	90
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,040	18.56	na	na
Accountants and Auditors.....	50	.82	26.39	15
Group Recreation Workers.....	600	10.79	3.55	5
Personnel and Labor Relations Specialists.....	80	1.42	28.98	9
Writers and/or Editors.....	60	1.09	28.93	13
All Other Professional Workers..	250	4.43	na	na
SERVICE OCCUPATIONS, TOTAL.....	990	17.75	na	na
Bartenders.....	130	2.30	23.26	11
Child Care Workers.....	110	2.01	40.26	3
Cooks, Restaurant.....	50	.82	36.73	5
Dining Room Attendants, Bar- tender Helpers, or Cafeteria Attendants.....	60	1.00	44.37	5
Kitchen Helpers.....	70	1.24	37.86	7
Recreation Facility Attendants..	30	.57	48.80	4
Waiters/Waitresses.....	260	4.75	23.22	11
All Other Food Service Workers..	40	.63	na	na
All Other Service Workers.....	240	4.39	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	150	2.65	na	na
Maintenance Repairers, General Utility.....	60	1.15	23.75	9

Table 44 (Continued) Membership Organizations, Dallas-Fort Worth SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS (Continued)				
All Other Skilled Craftsmen and Kindred Workers.....	2/			
All Other Operatives and Semi- skilled Workers.....	40	.68	na	na
All Other Laborers and Unskilled Workers.....	30	.50	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,630	29.15	na	na
Accounting Clerks.....	40	.70	17.02	14
Bookkeepers, Hand.....	110	1.89	13.51	32
General Clerks, Office.....	330	5.92	13.70	33
Mail Clerks.....	50	.86	17.88	17
Receptionists.....	90	1.60	13.58	22
Secretaries.....	420	7.64	8.94	50
Stenographers.....	80	1.35	13.38	7
Switchboard Operator- Receptionists.....	40	.75	31.36	13
Teacher Aides and/or Educational Assistants.....	190	3.49	35.54	3
Travel Counselors, Auto Club....	30	.57	7.91	3
Typists.....	150	2.63	18.33	20
All Other Clerical Workers.....	100	1.73	na	na
SALES OCCUPATIONS.....	260	4.65	na	na

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	90
Secretaries.....	50
General Clerks, Office.....	33
Bookkeepers, Hand.....	32

Table 45
SIC 86
Membership Organizations
San Antonio SMSA

This major group includes organizations operating on a membership basis for the promotion of the interests of the members. Included are trade associations; professional membership organizations; labor unions and similar labor organizations; and political and religious organizations.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	1,690	100.00	na	na
MANAGERS AND OFFICERS.....	270	16.20	11.96	74
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	220	12.81	na	na
Group Recreation Workers.....	90	5.22	16.47	8
All Other Professional and Technical Workers.....	130	7.63	na	na
SERVICE OCCUPATIONS, TOTAL.....	590	35.34	na	na
Bartenders.....	90	5.28	15.95	26
Kitchen Helpers.....	40	2.22	34.49	11
Maids.....	50	2.76	5.31	11
Waiters/Waitresses.....	50	3.24	24.35	13
All Other Food Service Workers..	70	4.29	na	na
All Other Janitors, Porters, and Cleaners.....	60	3.72	na	na
All Other Service Workers.....	230	13.95	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	170	10.31	na	na
Maintenance Repairers, General Utility.....	70	3.96	31.60	16
All Other Operatives and Semi- skilled Workers.....	70	4.23	na	na
All Other Laborers and Unskilled Workers.....	30	1.68	na	na

Table 45 (Continued) Membership Organizations, San Antonio SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	380	21.69	na	na
Bookkeepers, Hand.....	40	2.34	23.37	23
General Clerks, Office.....	40	2.22	16.04	20
Secretaries.....	120	6.90	16.34	41
Typists.....	50	2.76	18.28	18
All Other Clerical Workers.....	130	7.57	na	na
SALES OCCUPATIONS.....	60	3.78	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISHMENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	74
Secretaries.....	41

Table 46
SIC 864
Civic, Social, and Fraternal Associations
Statewide

This group includes membership organizations engaged in civic, social, or fraternal activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	10,370	100.00	na	na
MANAGERS AND OFFICERS.....	1,250	12.07	10.24	78
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	2,620	25.34	na	na
Accountants and Auditors.....	70	.70	29.67	18
Community Organization Workers..	280	2.69	45.38	8
Directors, Camp.....	120	1.12	34.11	17
Group Recreation Workers.....	1,790	17.30	13.94	24
Personnel and Labor Relations Specialists.....	70	.64	47.40	8
Teachers and/or Instructors, Vocational Education or Training.....	60	.58	16.38	5
Writers and/or Editors.....	30	.31	30.72	6
All Other Teachers.....	60	.61	na	na
All Other Professional and Technical Workers.....	140	1.36	na	na
SERVICE OCCUPATIONS, TOTAL.....	4,180	40.34	na	na
Supervisors, Nonworking-Service.	70	.67	38.85	11
Bartenders.....	800	7.75	22.53	34
Child Care Workers.....	440	4.26	17.07	8
Cooks, Restaurant.....	160	1.51	25.41	14
Dining Room Attendants, Bar- tender Helpers, or Cafeteria Attendants.....	140	1.30	43.94	10
Game Operators, Ride Operators, and Concession Workers.....	60	.54	35.53	3
Guards and Doorkeepers.....	60	.59	38.05	8
Kitchen Helpers.....	240	2.30	27.32	18
Maids.....	150	1.45	23.70	14
Recreation Facility Attendants..	200	1.94	41.42	12
Social Service Aides.....	40	.39	49.01	6

Table 46 (Continued) Civic, Social, and Fraternal Associations, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
SERVICE OCCUPATIONS (Continued)				
Waiters/Waitresses.....	760	7.35	19.71	26
All Other Food Service Workers..	230	2.21	na	na
All Other Janitors, Porters, and Cleaners.....	500	4.84	na	na
All Other Service Workers.....	330	3.22	na	na
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....				
	420	4.03	na	na
Maintenance Repairers, General Utility.....	230	2.21	16.09	26
All Other Skilled Craftsmen and Kindred Workers.....	50	.50	na	na
All Other Operatives and Semi- skilled Workers.....	90	.85	na	na
All Other Laborers and Unskilled Workers.....	50	.46	na	na
CLERICAL OCCUPATIONS, TOTAL.....	1,800	17.27	na	na
Accounting Clerks.....	60	.59	19.52	16
Bookkeepers, Hand.....	180	1.69	18.06	36
General Clerks, Office.....	280	2.74	18.12	28
Payroll and/or Timekeeping Clerks.....	40	.36	49.18	8
Receptionists.....	140	1.35	14.09	23
Secretaries.....	400	3.83	11.09	46
Stenographers.....	30	.25	20.88	6
Teacher Aides and/or Educational Assistants.....	210	1.99	33.46	3
Typists.....	140	1.31	29.18	14
All Other Clerical Workers.....	320	3.13	na	na
SALES OCCUPATIONS.....	100	.96	na	na

^{1/} Based on unrounded data.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

OCCUPATION	PERCENT
Managers and Officers.....	78
Secretaries.....	46
Bookkeepers, Hand.....	36
Bartenders.....	34

Table 47
SIC 89
Miscellaneous Services
Austin SMSA

This major group includes establishments engaged in performing services, not elsewhere classified, such as those rendered by engineers, architects, accountants, artists, lecturers, and writers. This major group also includes noncommercial establishments primarily engaged in educational, scientific, and research activities.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	2,020	100.00	na	na
MANAGERS AND OFFICERS.....	260	12.62	10.98	81
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	1,100	54.69	na	na
Accountants and Auditors.....	240	11.98	25.48	23
Architects.....	110	5.29	22.66	17
Civil Engineering Technicians...	50	2.47	45.02	17
Civil Engineers.....	60	3.06	23.80	27
Drafters.....	270	13.56	12.86	56
Mechanical Engineers.....	50	2.22	45.22	10
Surveyors.....	70	3.36	26.57	25
All Other Engineers.....	40	1.94	na	na
All Other Professional Workers..	170	8.49	na	na
All Other Technical Workers.....	40	2.18	na	na
SERVICE OCCUPATIONS.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS, TOTAL.....	240	12.01	na	na
Surveyor Helpers.....	180	8.96	20.93	25
All Other Skilled Craftsmen and Kindred Workers.....	<u>2/</u>			
All Other Operatives and Semi- skilled Workers.....	40	1.89	na	na
All Other Laborers and Unskilled Workers.....	<u>2/</u>			

Table 47 (Continued) Miscellaneous Services, Austin SMSA

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS, TOTAL.....	390	19.31	na	na
Bookkeepers, Hand.....	50	2.57	29.80	31
General Clerks, Office.....	50	2.37	19.03	27
Secretaries.....	170	8.51	7.51	65
All Other Clerical Workers.....	120	5.81	na	na
SALES OCCUPATIONS.....	<u>2/</u>			

^{1/} Based on unrounded data.

^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Managers and Officers.....	81
Secretaries.....	65
Drafters.....	56

Table 48
SIC 893
Accounting, Auditing, and Bookkeeping Services
Statewide

This group includes establishments primarily engaged in furnishing accounting, auditing, and bookkeeping services. Such establishments may, as part of providing such service, use data processing and tabulating techniques; however, establishments primarily engaged in providing data processing and tabulating services, not as a part of accounting, bookkeeping, and auditing service, are classified elsewhere. Establishments providing income tax return preparation service are also excluded.

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
TOTAL EMPLOYMENT.....	16,400	100.00	na	na
MANAGERS AND OFFICERS.....	1,480	9.06	9.39	50
PROFESSIONAL AND TECHNICAL OCCUPATIONS, TOTAL.....	8,380	51.22	na	na
Accountants and Auditors.....	7,180	43.87	3.82	87
Computer Programmers, Business..	90	.56	31.64	9
Systems Analysts, Business.....	130	.78	13.00	6
Tax Preparers.....	890	5.45	17.84	27
All Other Professional and Technical Workers.....	90	.56	na	na
SERVICE OCCUPATIONS, TOTAL.....	50	.29	na	na
Janitors, Porters, and Cleaners.	40	.26	47.54	3
All Other Service Workers.....	<u>2/</u>			
MAINTENANCE, CONSTRUCTION, REPAIR, MATERIAL HANDLING, AND POWER PLANT OCCUPATIONS.....	60	.34	na	na
CLERICAL OCCUPATIONS, TOTAL.....	6,370	38.76	na	na
Clerical Supervisors, Office or Plant.....	50	.32	25.78	7
Accounting Clerks.....	880	5.36	19.32	35
Bookkeepers, Hand.....	880	5.34	16.68	41
Bookkeeping and/or Billing Machine Operators.....	210	1.30	34.08	7

Table 48 (Continued) Accounting, Auditing, and Bookkeeping Services, Statewide

Occupation	Estimated Empl.	% of Total Empl. ^{1/}	Relative Standard Error (%)	% of Establish- ments Reporting the Occupation
CLERICAL OCCUPATIONS (Continued)				
Computer Operators.....	480	2.90	14.25	27
File Clerks.....	50	.31	23.72	7
General Clerks, Office.....	480	2.93	25.08	26
Key punch Operators.....	360	2.19	26.40	17
Mail Clerks.....	30	.15	9.21	5
Receptionists.....	390	2.35	15.30	28
Secretaries.....	1,320	8.07	7.60	64
Stenographers.....	60	.37	35.49	4
Switchboard Operator- Receptionists.....	280	1.69	15.29	33
Switchboard Operators.....	50	.27	37.44	5
Typists.....	640	3.87	10.19	44
All Other Office Machine Operators.....	40	.26	na	na
All Other Clerical Workers.....	170	1.01	na	na
SALES OCCUPATIONS.....	60	.33	na	na

^{1/} Based on unrounded data.^{2/} Estimate below cut-off level so occupations will not add to category total.

THE MOST COMMONLY REPORTED OCCUPATIONS IN THIS INDUSTRY AND THE PERCENT OF ESTABLISH-
MENTS REPORTING THEM ARE:

<u>OCCUPATION</u>	<u>PERCENT</u>
Accountants and Auditors.....	87
Secretaries.....	64
Managers and Officers.....	50
Typists.....	44
Bookkeepers, Hand.....	41

GLOSSARY OF TERMS

Benchmark Employment: A term which is used to identify specific employment figure(s) which existed at a particular point in time. In the OES survey program, the term benchmark is used in two ways: (1) It is the establishment or industry employment that existed at the time the sample was designed. (2) When estimates are made, it is used again to refer to the total universe employment for each estimating cell as of the reference date of the survey.

Current Employment Statistics Program: A cooperating program between the Bureau of Labor Statistics of the Department of Labor and the participating states. The primary objective of the program is the preparation of current monthly estimates, from sampled employers, of nonagricultural employment, hours of work and earnings.

ES-202: A quarterly listing of employment and contributions of all firms covered under the unemployment insurance laws of Texas. From this listing, the Nonmanufacturing sample was selected.

Establishment: An economic unit which produces goods or services, for example: a consulting service, a factory, or a store. In most instances, each establishment is a single physical location and is engaged in one predominate type of economic activity for which an industry code is applicable. Establishments are also referred to as reporting units.

Estimating Cell: One size class in one industry.

Sample Weight: A numerical value that is assigned to an establishment during the sample selection. For example: if an establishment has an occupational employment of 25 and a weight of three, then for estimating purposes, the 25 employment will have a representation of 75 (3×25).

Sampling Error: The difference between data obtained from a sample and data which would have been obtained if the same survey methods were applied to collecting identical information from the entire population.

Sampling Frame: The sampling units actually available to sample.

Sampling Units: The establishments selected randomly from the universe.

Size Class: The stratification of an industry by employment. For example: establishments with employment of 10-19 would be in one size class, and those with employment of 20-49 would be in another size class, etc.

Standard Industrial Classification (SIC): A grouping of establishments primarily engaged in the same or similar lines of economic activity. In the Nonmanufacturing division, the line of activity is generally defined as any function that excludes Manufacturing, Wholesale and Retail Trade, Regulated Industries, and Government. Throughout this report, SIC's are correlated with a significant numerical designation. For example: SIC 60 is Banking, SIC 63 is Insurance, etc.

Standard Metropolitan Statistical Area (SMSA): Includes a city (cities) of specified population which constitutes the central city and the county (counties) in which it is located. A Standard Metropolitan Statistical Area also includes contiguous counties and may also cross state lines. In New England, Standard Metropolitan Statistical Areas are composed of cities and towns instead of counties.

Universe: Total amount of establishments or units covered under the Texas Employment Security Law.

Usable Response: All receipts which, after initial classification and schedule review, are judged to contain usable OES data.

BIBLIOGRAPHY

Dallas Morning News, Texas Almanac, Dallas: A. H. Belo Corporation, 1978 and 1979.

Executive Office of the President/Office of Management and Budget, Standard Industrial Classification Manual, 1972, Washington, D. C.: U. S. Government Printing Office.

United States Department of Labor, Occupational Outlook Handbook, 1978-1979 Edition, Washington, D. C.: U. S. Government Printing Office.